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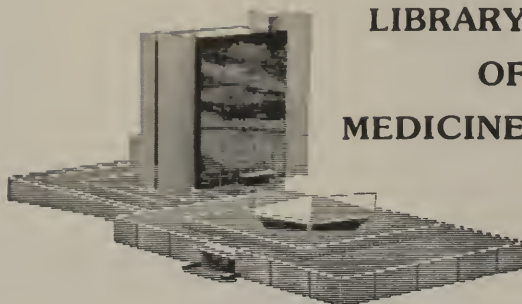
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DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUS  
SAM. L. ROGERS, DIRECTOR

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# SPECIAL TABLES OF MORTALITY

FROM

## INFLUENZA AND PNEUMONIA

IN INDIANA, KANSAS, AND PHILADELPHIA, PA.

SEPTEMBER 1 TO DECEMBER 31, 1918



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1920

## PERMANENT CENSUS BUREAU

The following circulars of information concerning the Bureau of the Census will be sent upon request:

LIST OF  
PUBLICATIONS.THE STORY OF THE CENSUS:  
1790-1916.FEDERAL POPULATION ESTIMATES AND  
SUPERVISION OF LOCAL CENSUSES.

For list of Thirteenth Census publications, see back of cover.

NOTE.—The following is a complete list of the publications of the permanent Bureau of the Census. A limited number of some of the reports of the Tenth, Eleventh and Twelfth Censuses are available for distribution, lists of which may be had on application. All census bulletins and reports are of quarto size (8 1/2 by 11 inches), but a number of the miscellaneous publications are of octavo (5 1/2 by 9 1/2 inches) or irregular size. Those applications marked with an asterisk (\*) are not available for distribution by the Census Bureau, but generally may be purchased from the Superintendent of Documents, Washington, D. C. Publications available for distribution may be ordered on application to the Director of the Census, Department of Commerce, Washington, D. C.

## REPORTS.

Abstract of census of manufactures, 1914.  
The volume of publications: 1904 and 1910.  
Birth statistics for the registration area of the United States, 1915, 1916, and 1917.  
The land and the draft, 1900.  
Mined population of the United States: 1910.  
Cancer in the United States: 1914.  
Central electric light and power stations: \*1902 and \*1907.  
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A century of population growth from the First Census of the United States to the Twelfth: 1790-1900.  
Deaf-mutes in the United States—Analysis of statistics of 1910, with summary of state laws to Jan. 1, 1913.  
Electrical industries: 1902. (This volume includes Central electric light and power stations: 1902; Street and electric railways: 1902; and Telephones and telegraphs: 1902.)  
Express business in the United States: 1907.  
Financial statistics of cities having a population of over 30,000: 1905, 1906, \*1908, 1909, 1910, 1911, \*1912, 1915, 1916, 1917, and 1918. (The 1913 and 1914 statistics were issued as bulletins 126 and 132.)  
Financial statistics of states: 1915, 1916, 1917, and 1918.  
Fire department of cities having a population of over 30,000: 1917.  
Fisheries of the United States: 1908.  
General statistics of cities having a population of over 30,000: 1909, pt. 1, Sewers and sewer service; pt. 2, Refuse disposal service; pt. 3, Street-cleaning service; pt. 4, Dust-prevention service; pt. 5, Highways and general highway service; pt. 6, Statistics of salaries and wages.  
Same, 1915, pt. 1, Governmental organizations; pt. 2, Police departments; pt. 3, Liquor traffic; pt. 4, Municipally owned water-supply systems and water rates.  
Same, 1916, pt. 1, Parks; pt. 2, Playgrounds; pt. 3, Museums and art galleries; pt. 4, Zoological collections; pt. 5, Music and entertainments; pt. 6,

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Insane and feeble-minded in hospitals and institutions: 1904 and 1910.  
Manufactures: 1905.  
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\*Part IV—Selected industries: Including iron and steel; tin and terno plate; copper, lead, and zinc, smelting and refining; agricultural implements; electrical machinery, apparatus, and supplies; metal-working machinery; musical instruments; attachments, and materials; automobiles; bicycles and tricycles; carriages and wagons; shipbuilding; the steam and street railroad car industry; chemicals and allied products; coke; petroleum refining; power employed; earnings of wage earners.  
Manufactures: 1909. The results of the manufactures census of 1909 are contained in Volumes VIII, IX, and X of the Thirteenth Census reports, which are listed on page 4 of cover.  
Manufactures: 1914.  
Vol. I.—Reports by states with statistics for principal cities and metropolitan districts.

Manufactures: 1914—Continued.  
Vol. II.—Reports for selected industries and detailed statistics for industries, by states.  
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Part I—Summary, laws, foreign statistics.  
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Municipal markets in cities of over 30,000 population: 1917.  
Negro population: 1790-1915.  
Paupers in almshouses: 1904 and 1910.  
Plantation farming in the United States.  
\*Prisoners and juvenile delinquents in institutions: 1904.  
Prisoners and juvenile delinquents: An analysis of statistics of 1910.  
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Specified sources of municipal revenues of cities having a population of over 30,000: 1917.  
Statistical directory of state institutions: 1916.  
Street and electric railways: \*1902, \*1907, and 1912.  
Telegraphs and municipal electric fire-alarm and police-patrol signaling systems: 1917.  
Telephones and telegraphs: 1902.  
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Telephones and telegraphs and municipal electric fire-alarm and police-patrol signaling systems: 1912.  
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United States Life Tables: 1910.  
Wealth, debt, and taxation: 1913—Volumes I and II. (The various subjects included in these volumes were also issued in a series of 8 bulletins.)  
\*Women at work, statistics of: 1900.

## BULLETINS.

NOTE.—The following is a complete list of the bulletins of the permanent Census Bureau. Many of these bulletins contain important statistical material not to be found in any other publication of the bureau. Many others are made up practically of literal extracts or chapters taken from forthcoming reports of the census, or of such important preliminary statistics as may be rapidly tabulated. Still others represent a condensation or summarization of material contained in the reports proper. These facts and figures are presented in this form in order that separate distribution may be made of material bearing on particular subjects, or for the purpose of more prompt presentation thereof.

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DEPARTMENT OF COMMERCE  
U.S. BUREAU OF THE CENSUS  
SAM. L. ROGERS, DIRECTOR

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# SPECIAL TABLES OF MORTALITY

FROM

## INFLUENZA AND PNEUMONIA

IN INDIANA, KANSAS, AND PHILADELPHIA, PA.

SEPTEMBER 1 TO DECEMBER 31, 1918

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## LETTER OF TRANSMITTAL.

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DEPARTMENT OF COMMERCE,  
BUREAU OF THE CENSUS,  
*Washington, D. C., September 30, 1919.*

SIR:

Special tables of mortality from influenza and pneumonia (all forms) in September, October, November, and December, 1918, for the states of Indiana and Kansas and for the city of Philadelphia are herewith transmitted. Corresponding data for other parts of the registration area for deaths have been partially compiled and it is hoped to publish them at a later date.

Acknowledgment and thanks are given to the United States Public Health Service, which made available from its influenza fund \$20,000 for this statistical study.

These tables have been prepared under the supervision of Dr. William H. Davis, chief statistician for vital statistics, assisted by Mr. John B. Mitchell, expert chief of division.

Respectfully,

SAM. L. ROGERS,  
*Director of the Census.*

Hon. WILLIAM C. REDFIELD,  
*Secretary of Commerce.*





# SPECIAL TABLES OF MORTALITY FROM INFLUENZA AND PNEUMONIA (ALL FORMS).

## SCOPE OF THE REPORT.

It is estimated that 445,000 deaths from the epidemic of influenza occurred in the United States in the last four months of 1918 and about 346,000 of these in the registration area for deaths, in which dwells about 77.8 per cent of the population of the United States.

Data relating to the influenza epidemic, among the civilian population only, have been compiled in considerable detail for the states of Indiana and Kansas and for the city of Philadelphia and are herewith presented, deaths of soldiers, sailors, and marines being excluded. Attention is called to a few of the most striking facts shown by the data, but as all the evidence is not in, no attempt at a thorough analysis has been made.

The epidemic did not end until well into the year 1919, but it has not been found feasible to present at this time any data relating to that year.

The total number of deaths which occurred in Indiana, Kansas, and Philadelphia during the last four months of 1918 was 52,033, which total, however, excludes the deaths of 322 soldiers, sailors, and marines in Indiana, 1,223 in Kansas, and 330 in Philadelphia. Of these 52,033 deaths, 26,926 were certified as primarily due to influenza and pneumonia (all forms), and for 2,260 others influenza and pneumonia (all forms) were given as contributory causes of death. The total number of deaths among the civilian population in these two states and in Philadelphia in the last four months of 1917 was 27,202. Reduced to rates based upon estimated populations, the annual death rate from all causes per 1,000 population for the four-month period of 1918 in Indiana was 20.2 against 12.9 for the corresponding months of 1917, in Kansas 17.5 against 9.7, and in Philadelphia 37 against 15.4.

Estimates of population as of July 1, 1918, have been made especially to permit a more accurate study of this epidemic. The usual arithmetical method was used without allowance for soldiers, sailors, and marines who entered the Army or Navy, or for unusual migrations from one part of the country to another. As 1918 was eight years away from the 1910 census, and as extensive migrations of the population took place before and during the war, it is too much to hope that all of the estimated populations are approximations to the actual populations. Death rates based upon the estimates of populations are consequently far too high in some cases and undoubtedly

far too low in others. In general, however, the estimates of populations are believed to be reasonably good and the death rates, therefore, fairly reliable.

In Indiana and Kansas the death rates from influenza and pneumonia (all forms) as primary causes were for the most part much higher in the cities than in the rural districts, but even in the cities of these two states the rates were very much lower than the rates of Philadelphia. The annual death rate of males from influenza and pneumonia (all forms) as primary causes per 100,000 population for the four-month period was 891 in Indiana, 886 in Kansas, and 2,300 in Philadelphia, while the annual death rate of females was 882 in Indiana, 831 in Kansas, and 2,104 in Philadelphia.

In Kansas the lowest death rates from influenza and pneumonia (all forms) as primary causes for males, and likewise for females, were, for those aged 5 to 9 years, 246 and 309, respectively, per 100,000 population of those ages, while the highest rates for males were for those aged 32 to 34, 2,146 per 100,000 corresponding population and the highest rates for females were for those aged 28, 1,853 per 100,000 corresponding population.

In Philadelphia the lowest death rates per 100,000 corresponding population for males, and likewise for females, were for those aged 10 to 14, 616 and 752, respectively, while the highest rate, 5,925 for males, was for those aged 31, and the highest rate, 5,383 for females, was for those 1 year of age, and the next highest, 4,660, was for those aged 28.

In Indiana the lowest rate for males was for those aged 55 to 59, 326 per 100,000 corresponding population; the next lowest rate, 345, was for those aged 50 to 54, and the third lowest rate, 364, was for those aged 10 to 14, while the highest rate, 3,124, was for those under 1 year, the next highest, 2,445, for those 1 year of age, and the third highest, 1,903, for those aged 29.

For females in Indiana the lowest rate in five-year groups was for those aged 55 to 59, 279 per 100,000 corresponding population, and the next lowest rate, 394, for those aged 10 to 14, while the highest rate, 2,325, was for those under 1 year, the next highest, 2,278, for those aged 1 year, and the third highest, 1,810, for those aged 30.

If children under 5 years of age are excepted, the highest rates from influenza and pneumonia (all forms) as primary causes in five-year groups for males in Indiana, Kansas, and Philadelphia, and for females in Indiana, were from 30 to 34 years, and among



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

females in Kansas and Philadelphia, from 25 to 29 years. These high rates of males aged 30 to 34 years were, respectively, for Indiana, Kansas, and Philadelphia, 1,736, 2,119, and 4,602 per 100,000 male population of these ages, while the highest rate of females 30 to 34 for Indiana was 1,605, and of females 25 to 29 for Kansas and Philadelphia 1,738 and 4,246, respectively, per 100,000 female population of these ages.

The tremendous toll exacted of adults between 20 and 40 is evident from the fact that 14,153 of 26,926 deaths here tabulated as due to influenza and pneumonia (all forms) as primary causes occurred in this 20-year period, or, in other words, 53 per cent of the male deaths and 52 per cent of the female deaths, although the population between 20 and 40 years in Indiana, Kansas, and Philadelphia is only 33 per cent of the total population.

Whether males or females were more seriously affected by the epidemic is still an open question. In fact, the annual death rate for the four-month period for the combined populations of Indiana, Kansas, and Philadelphia from influenza and pneumonia (all forms) as primary and contributory causes was 1,345 per 100,000 population for females and 1,344 for males, although the rate from influenza and pneumonia (all forms) as primary causes only was 1,212 for females and 1,268 for males.

Comparing further the rates of influenza and pneumonia (all forms) as primary causes only, the death rates among the males are higher than among the females at each age period from 15 to 19 and from 29 to 44 in Indiana, in Kansas, and in Philadelphia, while the death rates of females are for the most part higher than those for males in the age periods 4 to 14 and 20 to 28. But it should be pointed out that death rates from influenza and pneumonia as contributory causes of death are in most age periods higher for females than for males, and especially so between the ages of 15 and 44, while, on the other hand, estimates of population have been made without any corrections for the soldiers, sailors, and marines withdrawn from the civil population, so that in some cases estimates of the male population for the draft ages are presumably much too high and the corresponding death rates much too low.

In the absence of estimates for certain elements of the population and to facilitate checking the accuracy of such estimates as were made, percentages are extensively used throughout the report. Proper interpretation of the percentage figures and diagrams presented can only be made by constantly keeping in mind the normal death rates of the various parts of our population at different age periods. To facilitate such interpretation, therefore, a table is here inserted for Indiana and Philadelphia giving the annual death rates by age and sex for the four-month

period from (1) influenza and pneumonia as primary causes, (2) influenza and pneumonia as secondary causes, (3) all other causes, and finally giving normal rates from all causes from graduated data taken from nonepidemic years.

AREA AND AGE.	DEATH RATE <sup>1</sup> PER 100,000 ESTIMATED POPULATION, SEPT. 1 TO DEC. 31, 1918, FROM—								DEATH RATE PER 100,000 POPULA- TION <sup>2</sup> FROM ALL CAUSES, 1909 TO 1911.	
	All causes.	Influenza and pneu- monia (all forms).				All other causes.				
		Primary cause.	Contribu- tory cause.	Male.	Fe- male					
							Male.	Fe- male.		
INDIANA.										
Under 1 year.....	10,641	8,758	3,124	2,324	359	336	7,157	6,097	10,309	8,548
1 year.....	3,906	3,815	2,445	2,278	238	280	1,223	1,257	2,392	2,086
2 years.....	2,042	2,086	1,309	1,404	40	47	694	640	1,018	944
3 years.....	1,391	1,286	924	916	60	72	407	298	597	537
4 years.....	1,009	1,170	683	770	20	72	307	328	409	433
5 to 9 years.....	619	640	394	434	15	39	210	167	294	259
10 to 14 years.....	589	649	364	394	37	51	188	204	240	227
15 to 17 years.....	1,021	875	677	581	22	56	322	238	341	364
18 years.....	1,307	1,084	962	730	73	94	272	261	429	447
19 years.....	1,244	1,352	884	829	44	170	316	352	478	491
20 years.....	1,263	1,499	969	1,042	22	106	272	351	532	537
21 years.....	1,152	1,679	823	1,096	55	222	274	361	569	573
22 years.....	900	1,710	585	1,140	45	205	270	365	576	593
23 years.....	1,028	1,811	782	1,177	56	215	190	419	564	602
24 years.....	1,394	2,117	979	1,380	81	285	334	452	554	612
25 years.....	1,463	1,899	1,161	1,328	70	210	232	361	541	619
26 years.....	1,751	2,369	1,202	1,678	47	298	502	393	535	626
27 years.....	2,167	2,553	1,647	1,724	136	441	384	389	544	634
28 years.....	2,052	2,276	1,571	1,624	94	172	387	480	564	642
29 years.....	2,335	2,298	1,903	1,692	121	211	310	395	582	649
30 years.....	2,146	2,320	1,680	1,810	82	170	385	340	601	655
31 years.....	2,179	2,236	1,650	1,436	96	163	433	637	619	660
32 to 34 years.....	2,390	2,321	1,785	1,573	106	240	499	509	641	676
35 to 39 years.....	1,968	1,665	1,310	896	87	189	571	580	693	707
40 to 44 years.....	1,445	1,336	706	556	59	81	680	698	819	780
45 to 49 years.....	1,459	1,255	450	413	58	53	951	790	1,020	929
50 to 54 years.....	1,381	1,623	345	441	52	100	984	1,082	1,226	1,230
55 to 59 years.....	1,854	1,947	326	279	48	95	1,480	1,573	1,928	1,681
60 to 64 years.....	3,193	2,713	431	413	131	66	2,631	2,233	2,694	2,503
65 years and over.....	7,633	7,706	764	970	150	220	6,720	6,516	8,274	8,043
Unknown age.....	1,463	954	366	477	.....	.....	1,097	477	(3)	(3)
PHILADELPHIA.										
Under 1 year.....	17,116	14,219	5,700	4,988	426	599	10,990	8,632	15,773	14,006
1 year.....	7,890	7,450	5,769	5,383	413	435	1,707	1,681	3,912	4,263
2 years.....	4,084	4,151	3,055	3,268	229	117	800	767	1,820	2,068
3 years.....	2,328	2,689	1,598	1,891	139	156	591	642	1,163	1,501
4 years.....	2,479	2,610	1,732	1,746	128	129	620	735	849	1,162
5 to 9 years.....	1,316	1,366	977	1,018	39	51	300	297	426	565
10 to 14 years.....	857	972	616	752	36	28	205	192	256	302
15 to 17 years.....	1,514	1,476	1,225	1,166	26	74	263	236	354	442
18 years.....	2,189	2,250	1,789	1,757	19	181	381	312	439	544
19 years.....	2,203	2,251	1,804	1,743	67	85	342	423	490	583
20 years.....	1,961	3,043	1,665	2,330	.....	174	296	539	522	623
21 years.....	2,464	2,950	1,964	2,242	121	185	379	523	565	663
22 years.....	2,545	3,851	2,064	2,815	62	356	430	680	601	693
23 years.....	2,561	3,985	2,045	3,266	103	172	413	547	629	713
24 years.....	3,173	4,710	2,616	3,930	84	271	473	509	652	728
25 years.....	3,736	4,598	3,205	3,700	50	274	482	624	678	744
26 years.....	4,894	5,123	4,123	4,375	175	272	596	477	705	759
27 years.....	5,114	5,218	4,433	4,152	74	337	607	729	732	777
28 years.....	4,989	5,829	4,412	4,660	82	520	494	649	760	801
29 years.....	5,845	4,975	4,947	4,407	140	102	758	467	790	830
30 years.....	4,429	4,221	3,834	3,456	89	265	505	500	821	859
31 years.....	6,647	5,490	5,925	4,314	199	392	523	784	851	880
32 to 34 years.....	5,467	3,919	4,592	3,128	109	239	766	552	958	971
35 to 39 years.....	4,303	2,844	3,311	1,874	92	198	900	772	1,199	1,129
40 to 44 years.....	3,157	2,319	1,843	1,340	104	114	1,210	865	1,400	1,229
45 to 49 years.....	3,569	2,646	1,728	1,122	125	198	1,716	1,416	1,824	1,514
50 to 54 years.....	3,302	2,913	1,178	1,221	65	114	2,058	1,578	2,327	1,902
55 to 59 years.....	4,790	3,588	1,281	1,013	201	190	3,308	2,385	3,422	2,632
60 to 64 years.....	6,373	4,316	1,014	969	275	164	5,084	3,183	4,592	3,791
65 years and over.....	10,012	9,361	1,680	1,442	275	293	8,056	7,627	9,936	9,182
Unknown age.....	636	.....	636	.....	.....	.....	.....	.....	(2)	(2)

<sup>1</sup> Rates in italics indicate that the deaths numbered less than 5.

<sup>2</sup> Death rates based on United States Life Tables data.

<sup>3</sup> Unknown age distributed.



## SINGLE AND MARRIED.

The tabulations of the single and married are given by age and sex, and although the diagrams of the males appear very much like those of the females, the explanation of the higher percentages among the married than among the single is very different for the two sexes.

Generally speaking, normal death rates of single males are higher than the normal death rates of married males, so that if an epidemic affected these two classes equally one would expect diagrams like those here presented, with the percentages of the married well above the percentages of the single.

On the other hand, normal death rates of single females (15 to 44) are much lower than normal death rates of married females (15 to 44), so that if an epidemic affected these two classes of females equally, one would expect diagrams the reverse of those here presented—the single line would be far above the married line. The conclusion is, therefore, that the epidemic exacted a much heavier toll from the married females than from the single females.

As no estimated populations by country of birth of mother are available for Philadelphia, the only calculations made by country of birth of mother are percentages of total deaths by ages. In Philadelphia the percentages were higher for those whose mothers were born in foreign countries than for those whose mothers were born in the United States. The table on this page shows the number and percentage of deaths between the ages of 20 and 44.

The percentages permit some very interesting interpretations. For example, the death rates of white persons having mothers born in Ireland were shown in the 1900 vital statistics to be very much higher than the death rates of those having mothers born in the United States. Later studies based upon 1910 data by statisticians outside of the Bureau of the Census have also shown very much higher rates for those having mothers born in Ireland than for those having mothers born in the United States. It seems only fair to assume, therefore, that the normal death rate of those having mothers born in Ireland was still comparatively high in 1918, and if this assumption is correct the high percentages of total deaths due to influenza and pneumonia (all forms) among those having mothers born in Ireland clearly show that this portion of our population suffered much more severely from the epidemic than did those having mothers born in the United States. Again, if the normal high death rates of the colored of Philadelphia are taken into consideration, the percentages of total deaths due to influenza and

pneumonia (all forms) among the colored indicate that the colored population suffered very severely from the epidemic, especially the children.

NUMBER AND PER CENT OF DEATHS, BY SEX, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN PHILADELPHIA, FOR THE AGE PERIOD 20 TO 44 YEARS, FROM SEPT. 1 TO DEC. 31, 1918.

[This table excludes the deaths of soldiers, sailors, and marines.]

	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS.			
	All causes.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms) as primary and contributory causes.	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total.....	5,150	4,833	4,120	3,728	123	301	80.0	76.3	82.4	82.5
White:										
Mothers born in—										
The United States.....	1,610	1,690	1,287	1,294	66	102	79.9	76.6	84.0	82.6
Foreign countries.....	2,247	2,211	1,859	1,722	40	165	82.7	77.9	84.5	85.3
Austria (includes Austrian Poland).....	92	91	79	74	2	3	85.9	81.3	88.0	84.6
Hungary.....	36	44	34	37	1	1	94.4	84.1	94.4	86.4
Canada.....	15	12	11	12	1	.....	73.3	100.0	80.0	100.0
Denmark, Norway, and Sweden.....	17	26	15	15	.....	1	88.2	57.7	88.2	61.5
England, Scotland, and Wales.....	201	199	165	155	7	14	82.1	77.9	85.6	84.9
Ireland.....	715	691	571	509	9	45	79.9	73.7	81.1	80.2
Germany (includes German Poland).....	234	252	185	198	4	22	79.1	78.6	80.8	87.3
Italy.....	400	334	355	275	1	22	88.8	82.3	89.0	88.9
Poland (not specified).....	102	73	82	56	1	17	80.4	76.7	81.4	100.0
Russia (includes Russian Poland).....	358	413	302	335	14	32	84.4	81.1	88.3	88.9
Other foreign countries.....	77	76	60	56	1	8	77.9	73.7	79.2	84.2
Country not stated.....	891	573	718	467	14	23	80.6	81.5	82.2	85.5
Colored.....	402	409	256	245	3	11	63.7	59.9	64.4	62.6

## DIAGRAMS.

To check the accuracy of the calculated death rates and to construct rough rates when estimated populations were not available, Diagrams 13, 14, 23, 24, and 37 to 40 were drawn. The solid lines in Diagrams 13, 14, 23, and 24 represent death rates based upon estimated populations and the dotted lines rough death rates based upon the assumption that deaths from all other causes except influenza and pneumonia (all forms) as primary causes in the last four months of 1918 represent the normal, that is, the deaths which would have resulted from these other causes in the absence of the epidemic, and upon the further assumption that in Indiana the death rates calculated from graduated data for Indiana taken from nonepidemic years may be regarded as normal rates, which, in the absence of the epidemic, would have held for the last four months of 1918; and that similarly in Philadelphia the death rates calculated from graduated data for Philadelphia taken from nonepidemic years may be regarded as normal rates, which in the absence

of the epidemic would have held for the last four months of 1918.

For Kansas no graduated data were available, so no rough death rates were attempted. These rough death rates were found for Indiana, as follows: Graduated data of 1909, 1910, and 1911 of Indiana were first used to find a set of normal death rates by age and by sex as in the construction of a life table. To make these rates more nearly accord with rates based upon all deaths except influenza and pneumonia (all forms), the percentages of deaths from pneumonia (all forms) to total deaths by age and sex in Indiana in 1910 were calculated and the life table death rates reduced corresponding amounts. [No allowance was made for the influenza deaths in 1910, as this was considered an unnecessary refinement for this rough calculation.] The resulting death rates were now assumed to represent the death rates from all causes, except influenza and pneumonia (all forms) as primary causes in the last four months of 1918, and the rough death rates shown in the diagrams were then calculated from the percentages given in Table 1A.

Presumably, therefore, the higher rates for males of draft ages shown by the dotted lines of the diagram for Indiana are more nearly correct than the rates based upon the estimated populations. Attention is called particularly to the close resemblance of the curve of rough rates to the curve of rates based upon estimated population—two curves which have been constructed by such totally different methods—and the contention is made that this close resemblance greatly strengthens the probability that the population estimates for the most part are reliable.

In Diagram 13 for Indiana males the rates shown between 15 and 34 based upon estimated populations are probably too low, as no allowance was made for the young men who went to war. In Philadelphia, on the other hand, Diagram 23 indicates that no allowance is necessary for males entering the war, the presumption being that migrations of males to Philadelphia counterbalanced the withdrawal of males from Philadelphia to enter the war. This contention is also borne out by preliminary figures of births for the early months of 1919, for, remembering that two of the factors tending to reduce the birth rate in the early months of 1919 were the absence of males in the war and stillbirths due to the epidemic, Philadelphia, in spite of its relatively large number of stillbirths during the epidemic, still shows a very much smaller per cent reduction in recorded births than does Indiana.

Diagrams 39 and 40 of rough death rates of the colored of Philadelphia were constructed from 1909, 1910, and 1911 graduated data of the colored of the 10

original registration states and the District of Columbia to which were applied the percentages of deaths from pneumonia (all forms) in 1910 among the colored of Philadelphia, in the same way, already described, that rough rates were found for Philadelphia and Indiana.

As Philadelphia's population is made up of many nationalities, the question arises whether all of these nationalities were equally affected by the epidemic. In the absence of any 1910 rates for Philadelphia by country of birth of mother and in view of the fact that former studies of the population of other cities and of the registration area by country of birth of mother have all shown the same tendencies of high rates for certain nationalities and low rates for others, experimental diagrams of death rates have been constructed from the percentages given in Table 4. In constructing these diagrams the assumption has been made that death rates calculated for Boston by country of birth of mother for 1910 for all causes except pneumonia (all forms) correspond to death rates from all causes except influenza and pneumonia (all forms) as primary causes in Philadelphia in the last four months of 1918. In computing these Boston rates deaths of nonresidents were deducted and deaths where the countries of birth of mothers were unknown were not distributed. In fact, on many grounds the application of such Boston rates to Philadelphia is open to serious criticism. But in default of better data these experimental diagrams are inserted, as they seem to point very strongly to the existence of greater susceptibility to the disease among some nationalities than among others, and it is hoped that they will direct the attention of investigators to studies along this line. The extremely high rates for those having mothers born in Ireland are particularly noticeable. The diagrams for the colored and total of Philadelphia indicate for the most part higher mortality rates from influenza and pneumonia (all forms) as primary causes for colored children than for white children, but lower rates especially for females for the colored aged 19 to 44 than for white persons of corresponding ages.

#### OCCUPATIONS.

The tabulations by occupations deal with figures too small for the most part to warrant definite conclusions and are published simply in the hope that they may supplement other figures which investigators may obtain.

#### STILLBIRTHS.

To permit comparisons between the number of stillbirths in the epidemic months and normal months, figures are shown for each month of 1918. The large



number of stillbirths in October in Philadelphia clearly points to the epidemic as the cause and indicates that the portions of the population most severely affected were those having mothers born in the United States, in Italy, and in Russia (including Russian Poland), though no rates are possible, as no estimates of population by country of birth of mother are available. In Philadelphia the increase in October stillbirths over the average number of stillbirths recorded for the other 11 months of the year was 103 per cent, the greatest increase (147 per cent) occurring among mothers aged 20 to 24, while mothers aged 25 to 29 had an increase of 117 per cent. These tables of stillbirths clearly show the serious effect of the epidemic upon pregnant women, although the registration of stillbirths is believed to be so incomplete that the figures presented merely indicate this fact without permitting a measure of its degree of seriousness.

In Kansas there were more stillbirths in October than in any other month of 1918, and 24 per cent more than the average of the other 11 months, but in Indiana the October total was exceeded by the totals for March and December and the October total was only 13 per cent greater than the average for the other 11 months. Presumably these differences between Philadelphia and Kansas and Indiana were due to the greater severity of the epidemic in Philadelphia.

#### COMPILATIONS BY GROUPS OF COUNTIES.

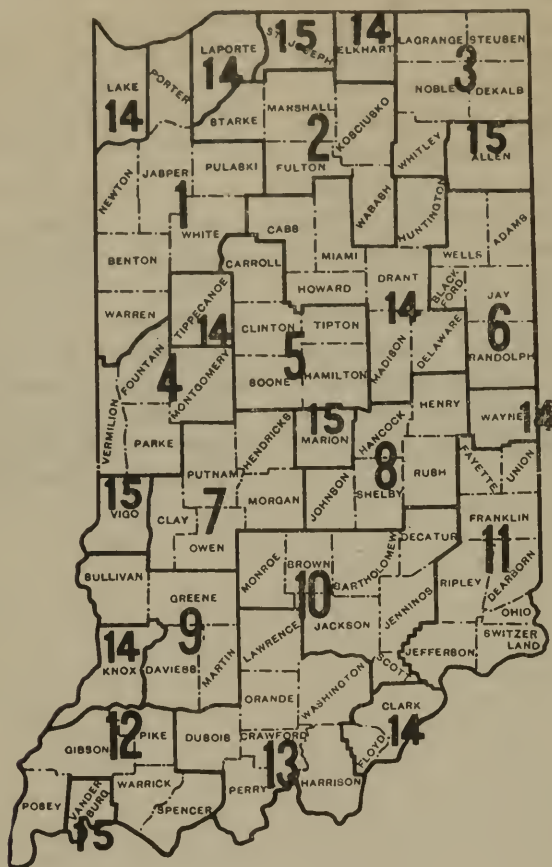
Statistics relating to Indiana and Kansas have been compiled by groups of counties. To have presented statistics relating to the epidemic for each county in Indiana and Kansas would have required a prohibitive number of pages and would have resulted in many tables of small figures having little significance.

The geographer, therefore, has grouped the counties as shown in the maps on the following page, and tables are presented for each of these groups of counties.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

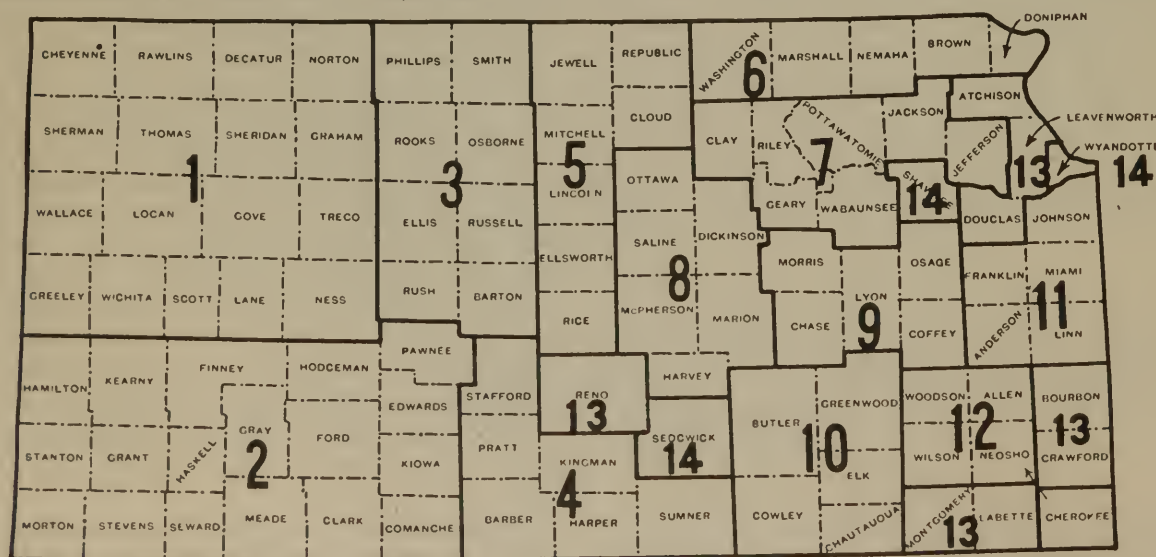
## INDIANA.

NUMBERS 1 TO 13, INCLUSIVE, REPRESENT GROUPS OF COUNTIES NONE OF WHICH HAD A CITY WITH 10,000 OR MORE POPULATION IN 1910. GROUP NO. 14 INCLUDES ALL COUNTIES (EXCEPT ST. JOSEPH COUNTY) WHICH HAD IN 1910 CITIES WITH 10,000 TO 25,000 POPULATION. GROUP NO. 15 INCLUDES ALL COUNTIES WHICH HAD IN 1910 CITIES WITH 25,000 OR MORE POPULATION.



## KANSAS.

NUMBERS 1 TO 12, INCLUSIVE, REPRESENT GROUPS OF COUNTIES NONE OF WHICH HAD A CITY WITH 10,000 OR MORE POPULATION IN 1910. GROUP NO. 13 INCLUDES ALL COUNTIES WHICH HAD IN 1910 CITIES WITH 10,000 TO 25,000 POPULATION. GROUP NO. 14 INCLUDES ALL COUNTIES WHICH HAD IN 1910 CITIES WITH 25,000 OR MORE POPULATION.



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# DIAGRAMS

(See CONTENTS, pp. 3 and 4)

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## MORTALITY FROM INFLUENZA AND PNEUMONIA.

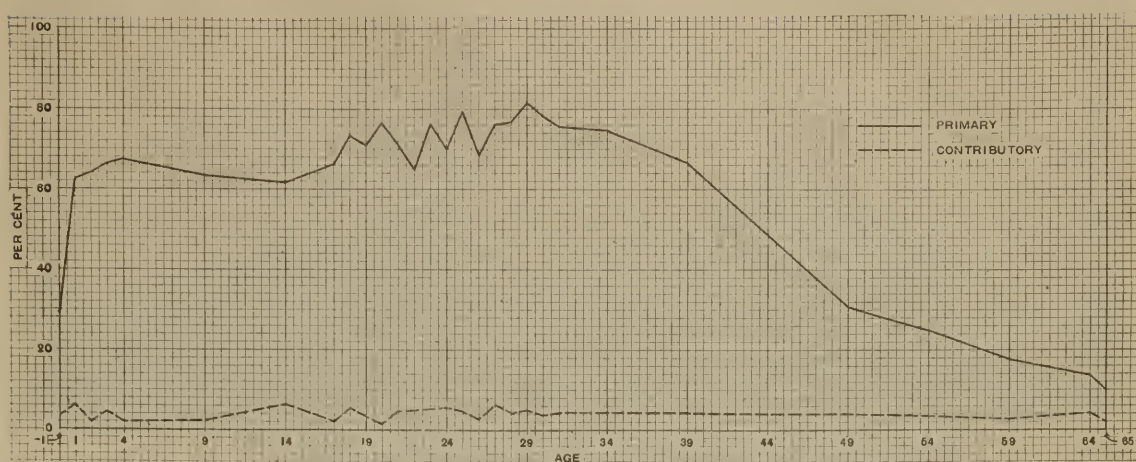


DIAGRAM 1.—INDIANA, MALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

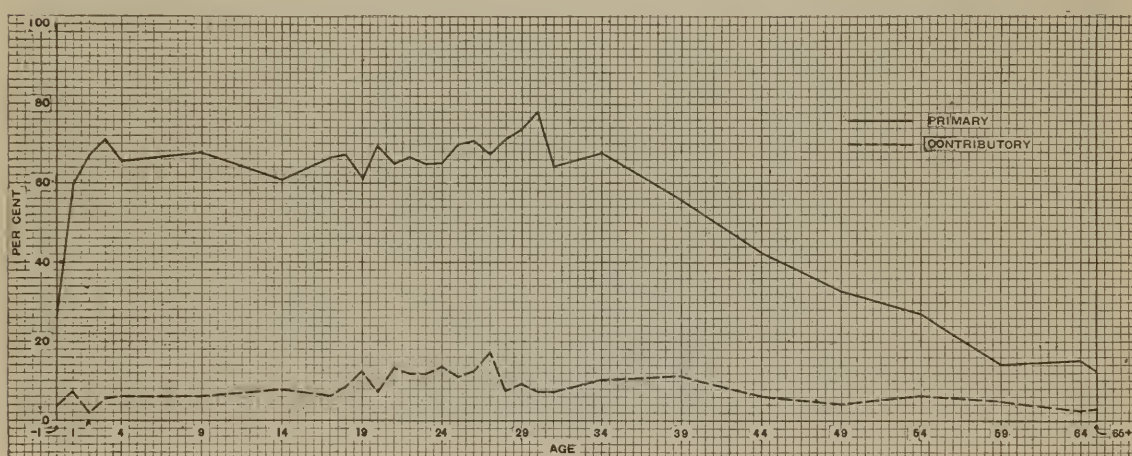


DIAGRAM 2.—INDIANA, FEMALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

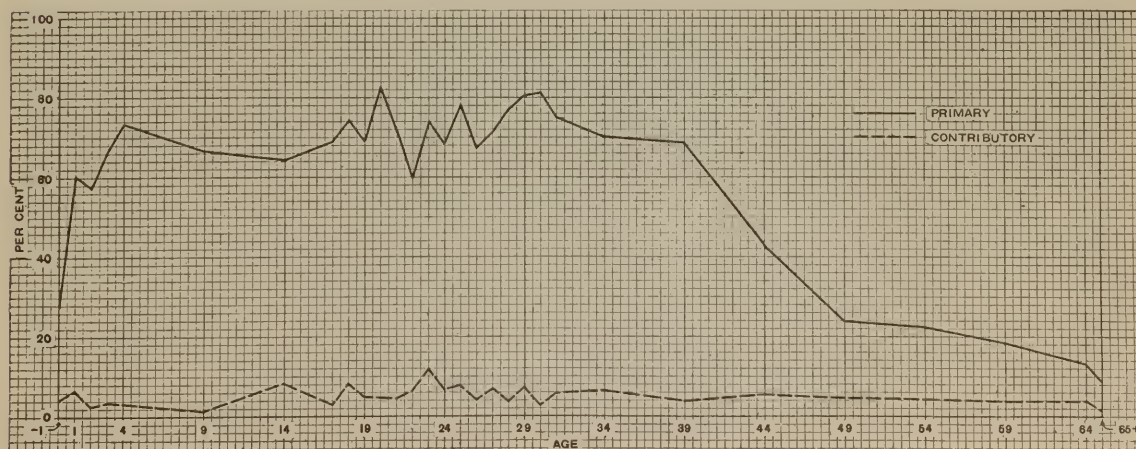


DIAGRAM 3.—INDIANA, RURAL, MALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

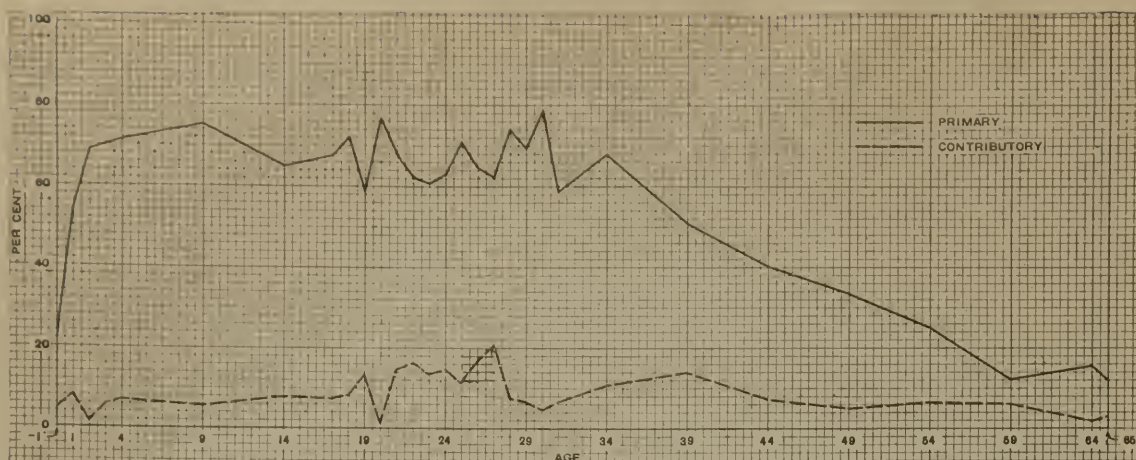


DIAGRAM 4.—INDIANA, RURAL, FEMALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

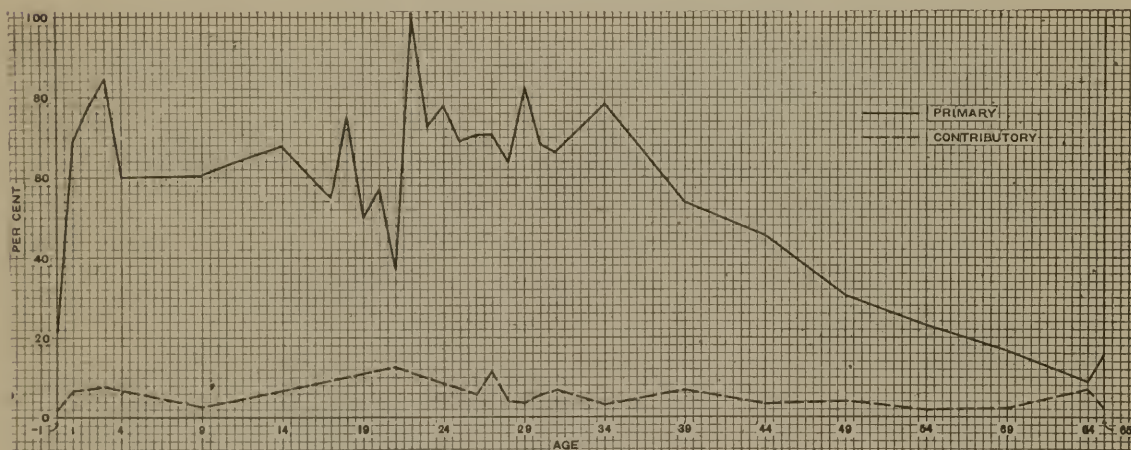


DIAGRAM 5.—INDIANAPOLIS, MALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

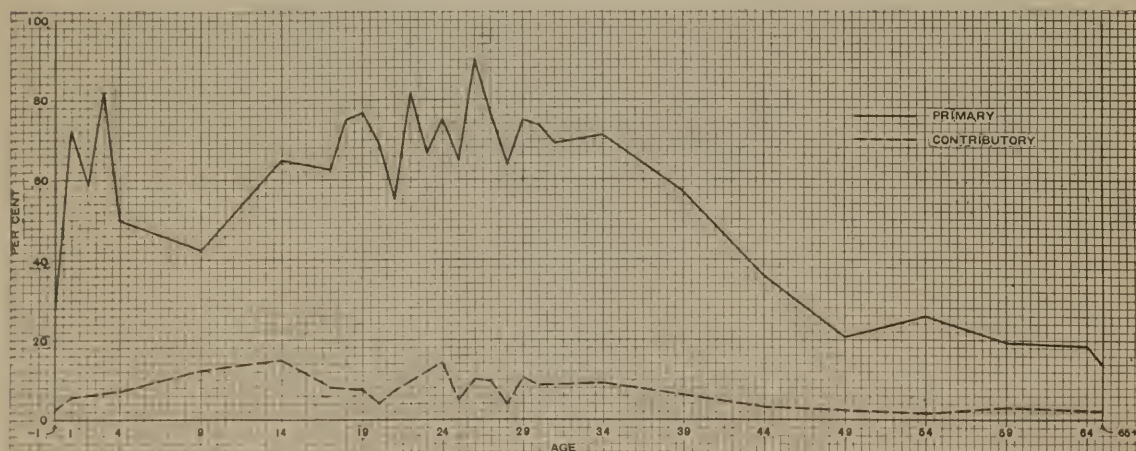


DIAGRAM 6.—INDIANAPOLIS, FEMALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.





DIAGRAM 7.—KANSAS, MALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

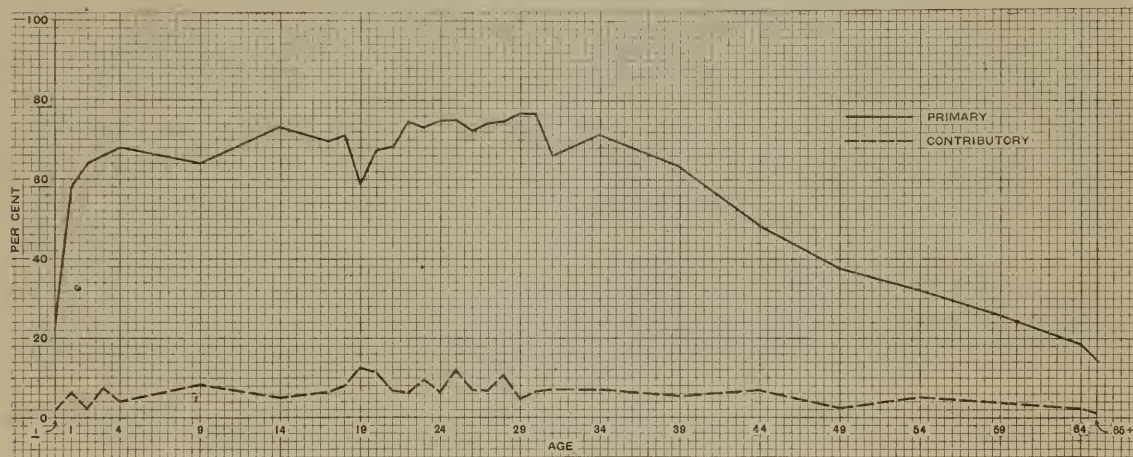


DIAGRAM 8.—KANSAS, FEMALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



DIAGRAM 9.—KANSAS, RURAL, MALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

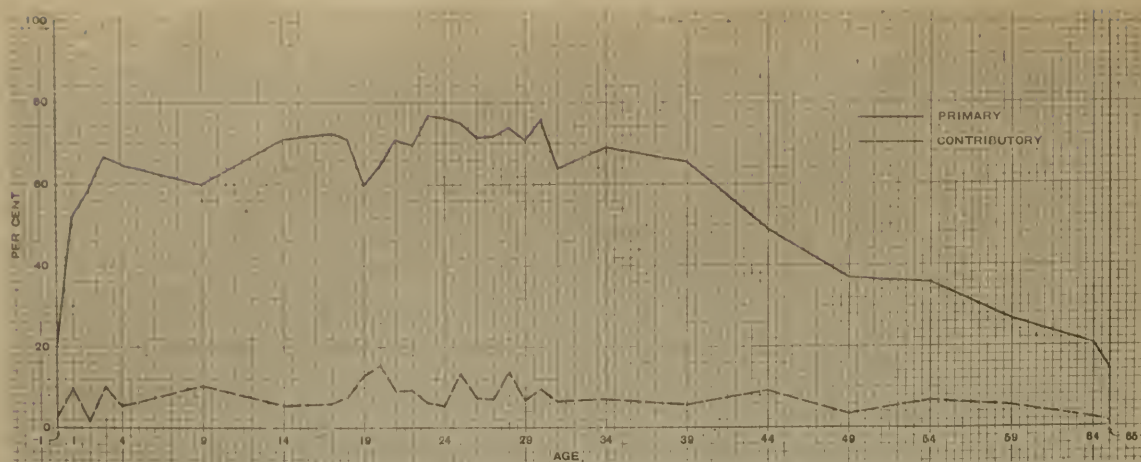


DIAGRAM 10.—KANSAS, RURAL, FEMALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

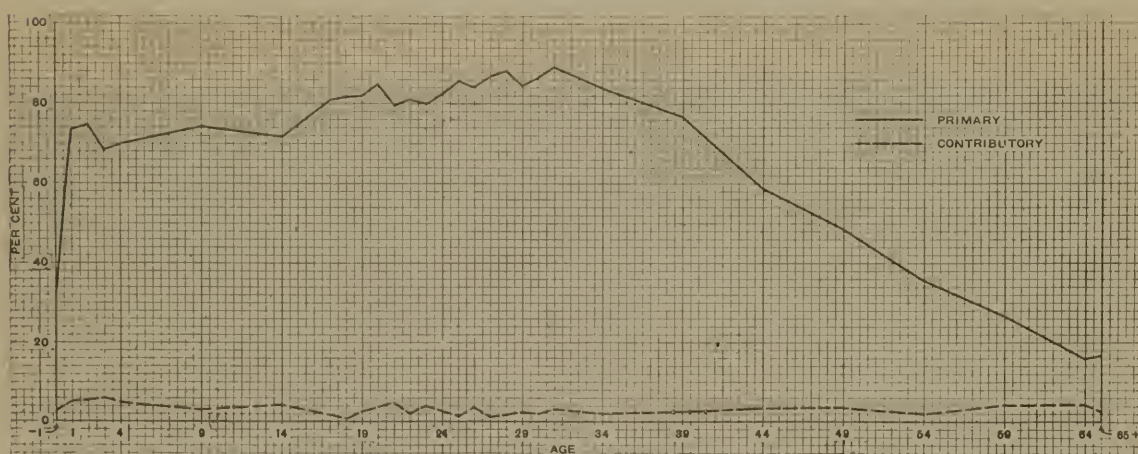


DIAGRAM 11.—PHILADELPHIA, MALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

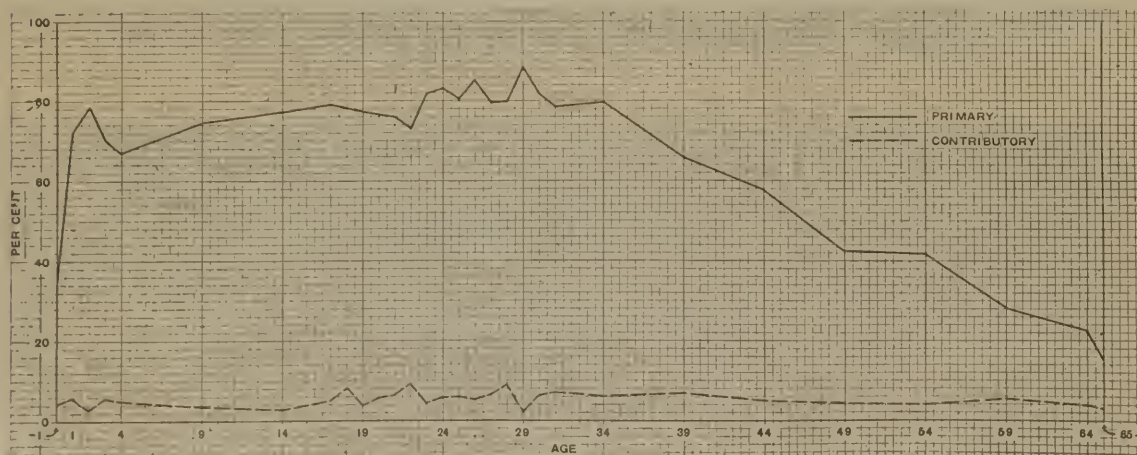


DIAGRAM 12.—PHILADELPHIA, FEMALES: PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



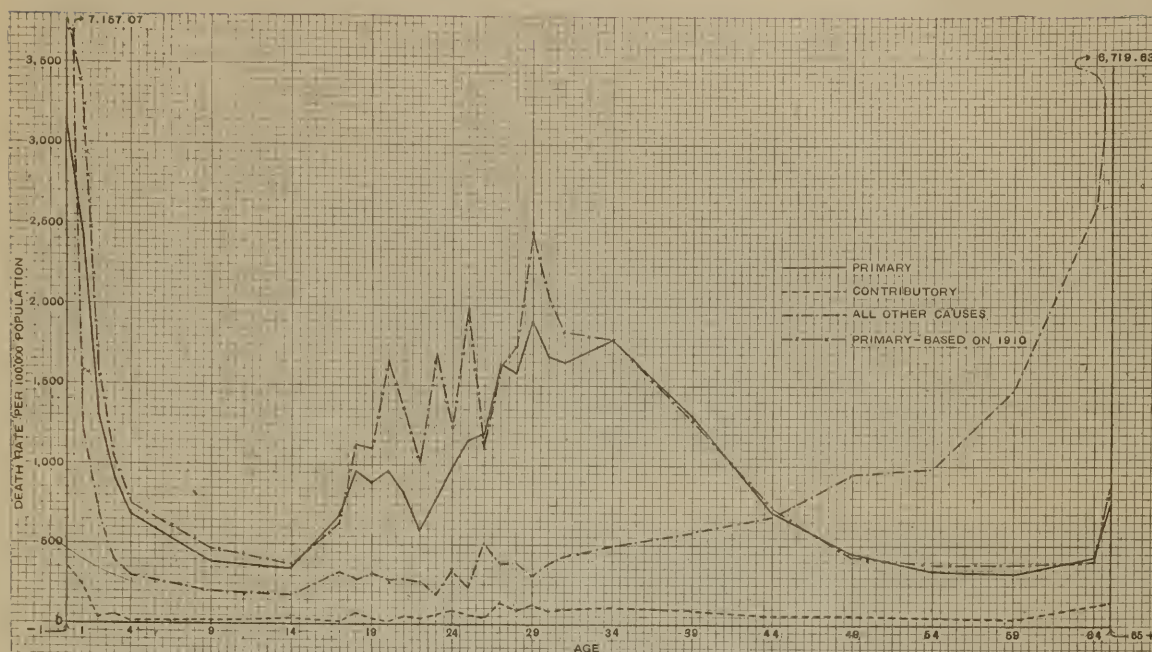


DIAGRAM 13.—INDIANA, MALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—Primary based on 1910 is a line of rough rates drawn as a check of the accuracy of the line of primary rates based upon estimated populations. These rough rates were found by the method described on pages 9 and 10 of the text.]

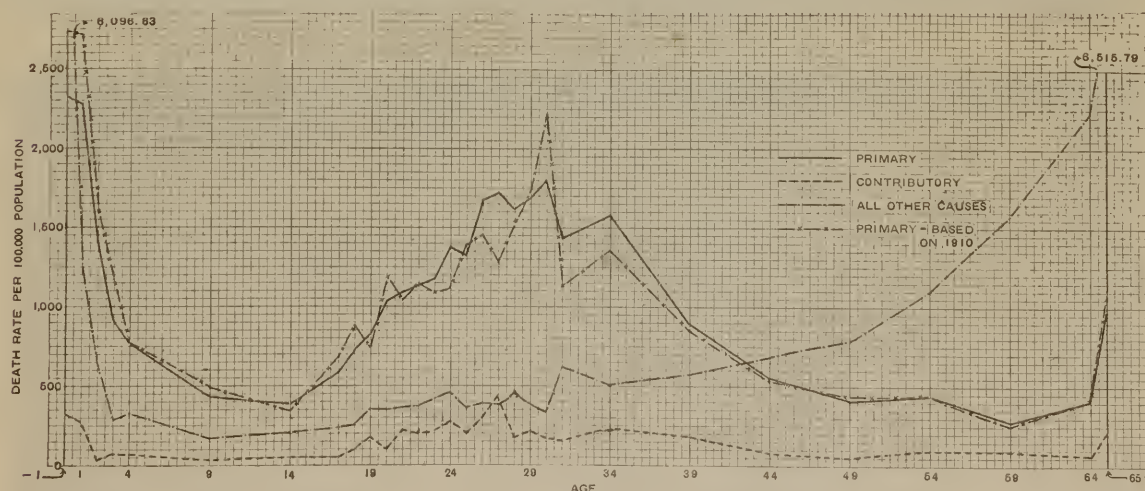


DIAGRAM 14.—INDIANA, FEMALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—Primary based on 1910 is a line of rough rates drawn as a check of the accuracy of the line of primary rates based upon estimated populations. These rough rates were found by the method described on pages 9 and 10 of the text.]

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

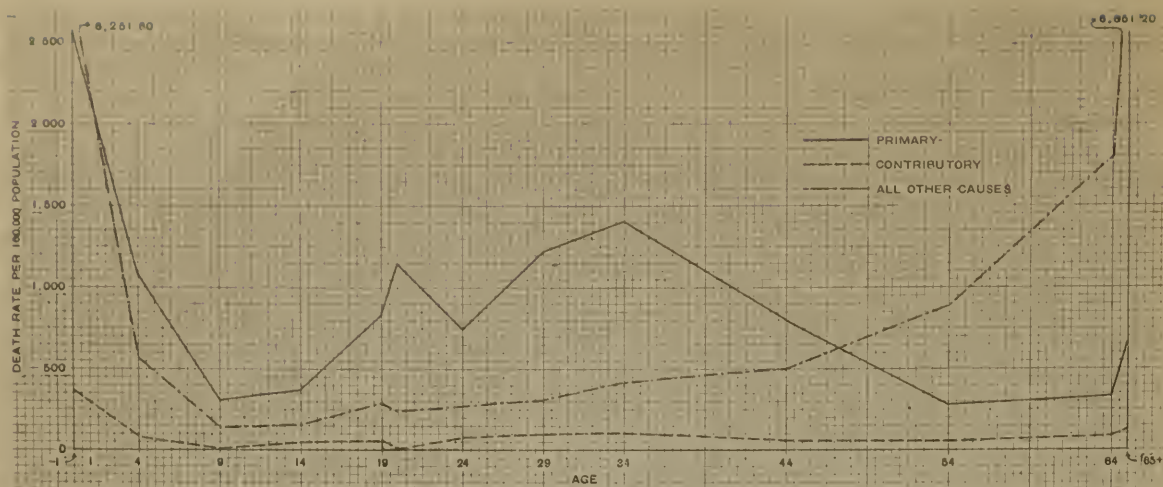


DIAGRAM 15.—INDIANA, RURAL, MALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

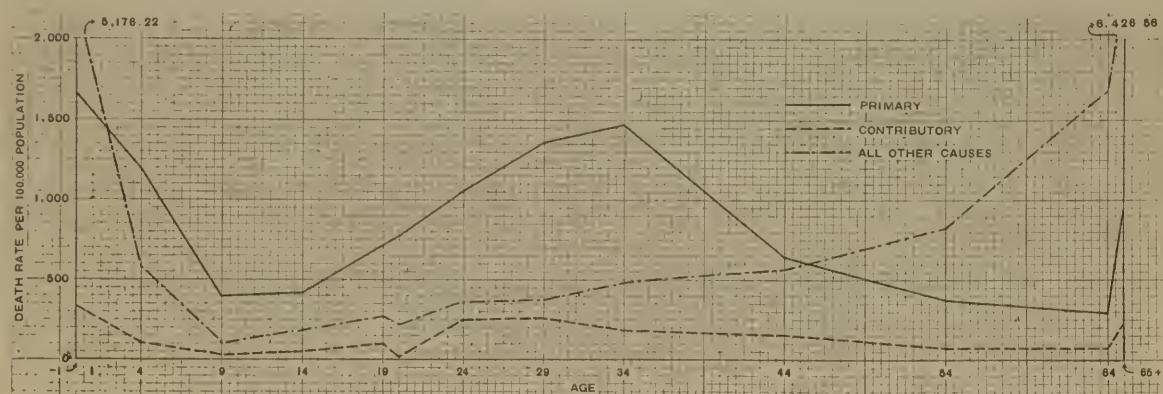


DIAGRAM 16.—INDIANA, RURAL, FEMALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

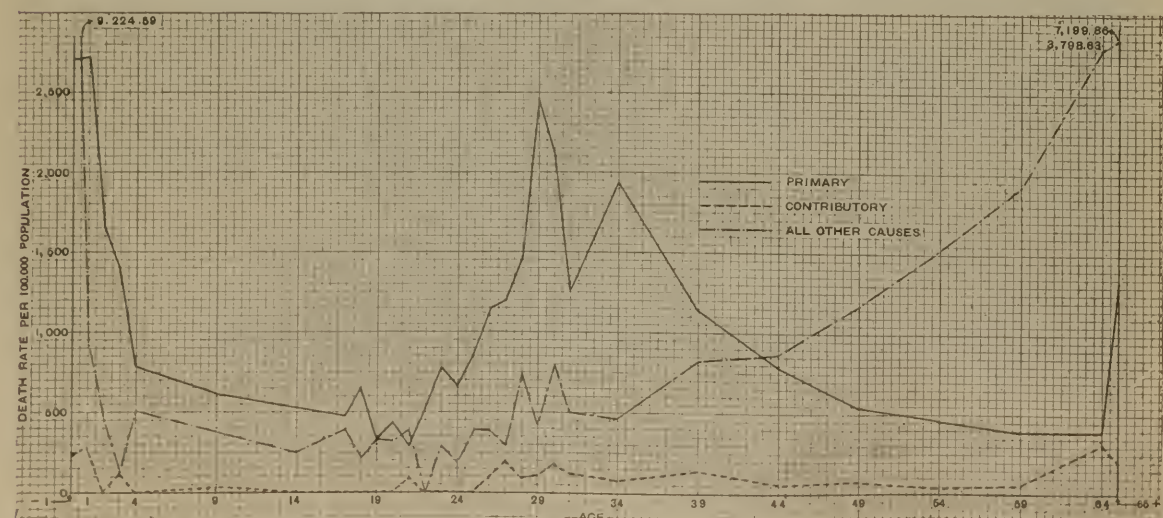


DIAGRAM 17.—INDIANAPOLIS, MALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



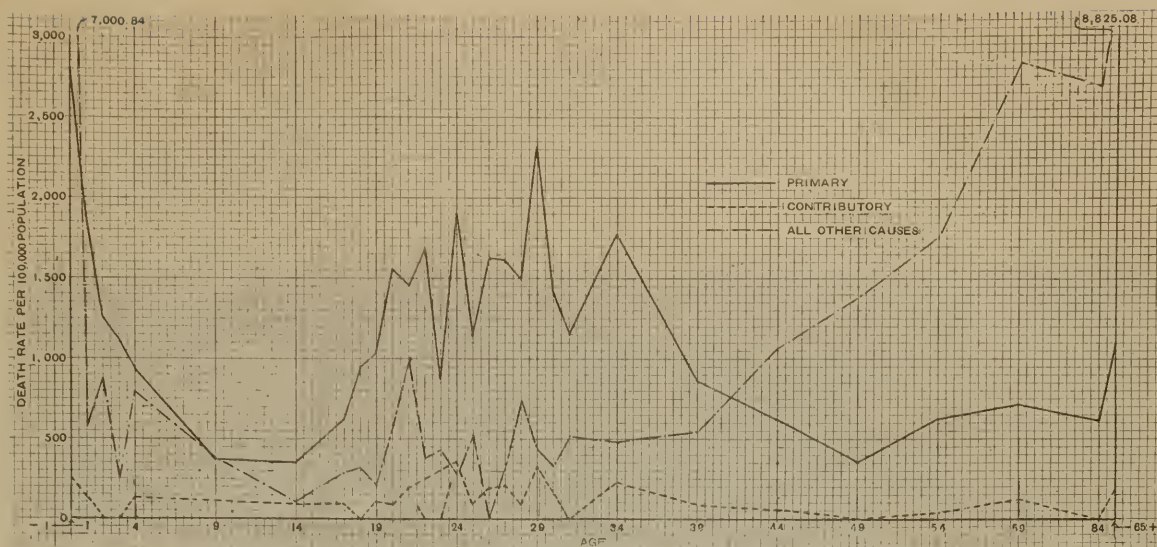


DIAGRAM 18.—INDIANAPOLIS, FEMALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

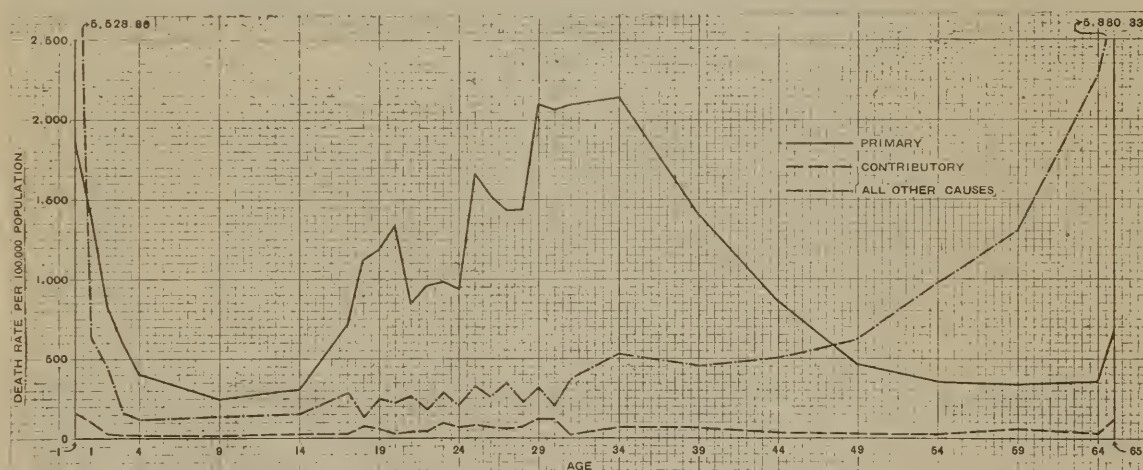


DIAGRAM 19.—KANSAS, MALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



DIAGRAM 20.—KANSAS, FEMALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

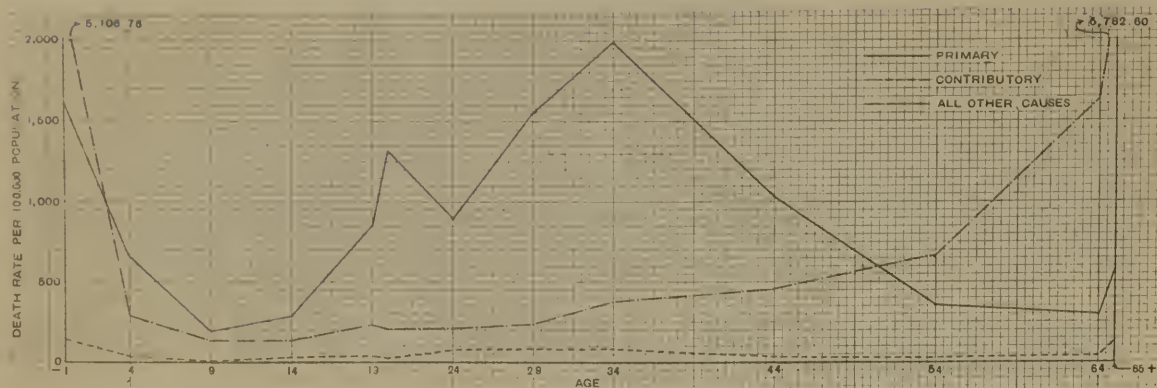


DIAGRAM 21.—KANSAS, RURAL, MALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

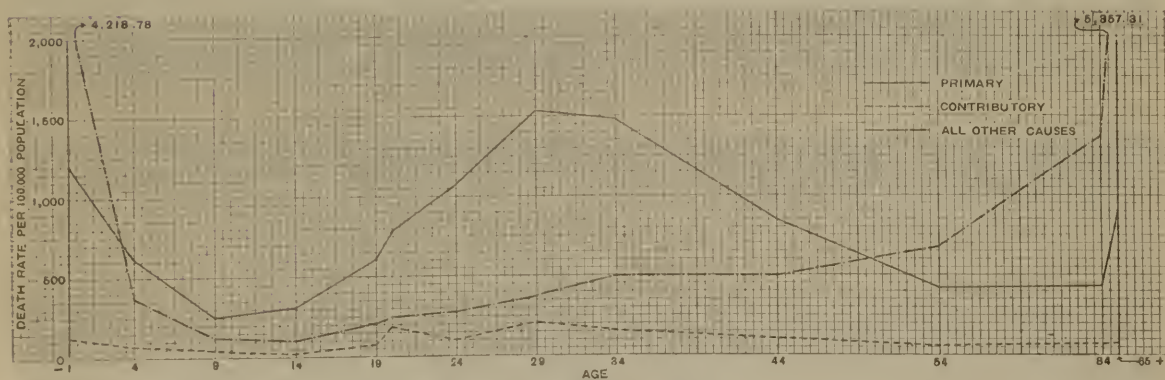


DIAGRAM 22.—KANSAS, RURAL, FEMALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



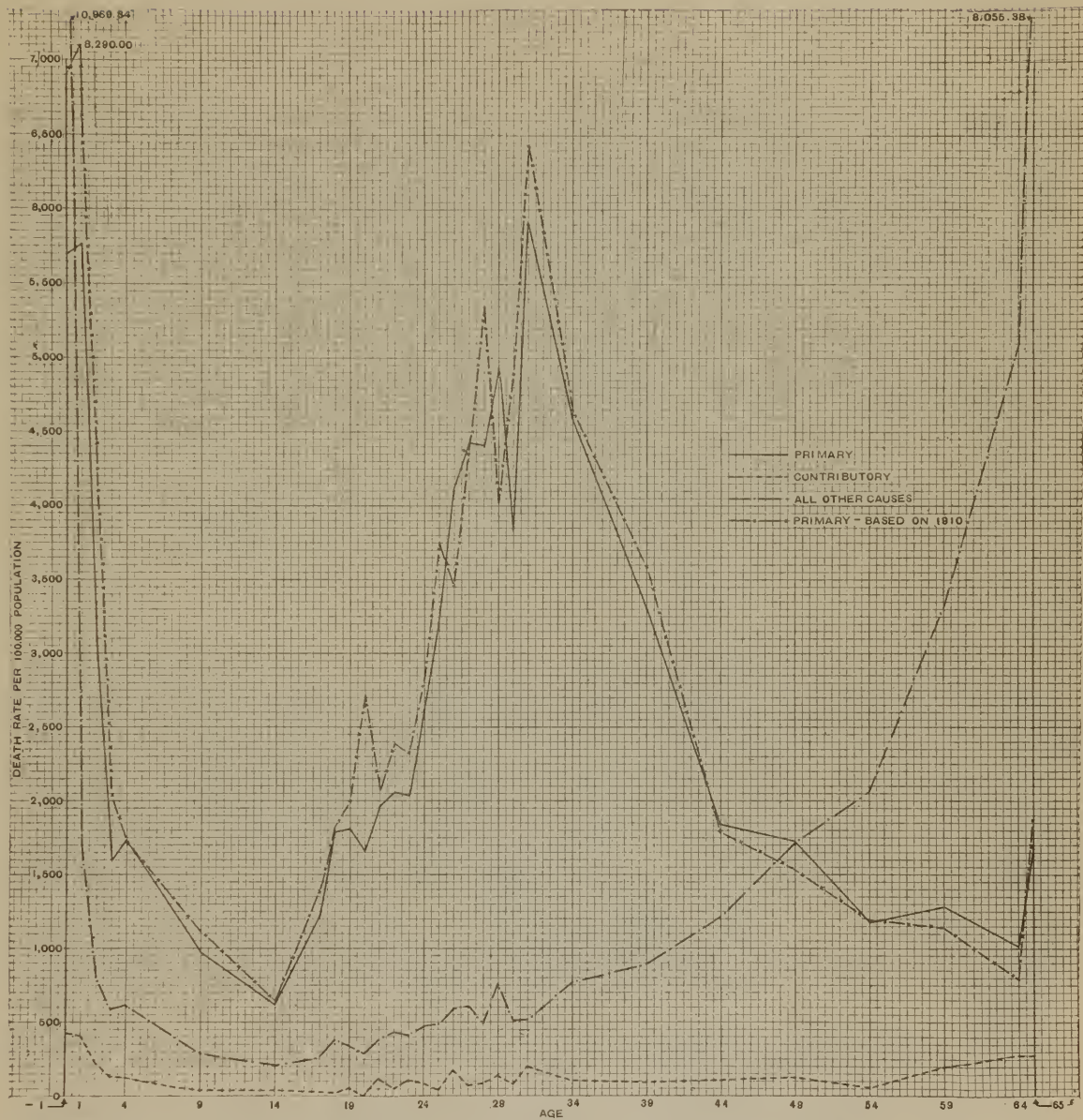


DIAGRAM 23.—PHILADELPHIA, MALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—Primary based on 1910 is a line of rough rates drawn as a check of the accuracy of the line of primary rates based upon estimated populations. These rough rates were found by the method described on page 9 of the text.]

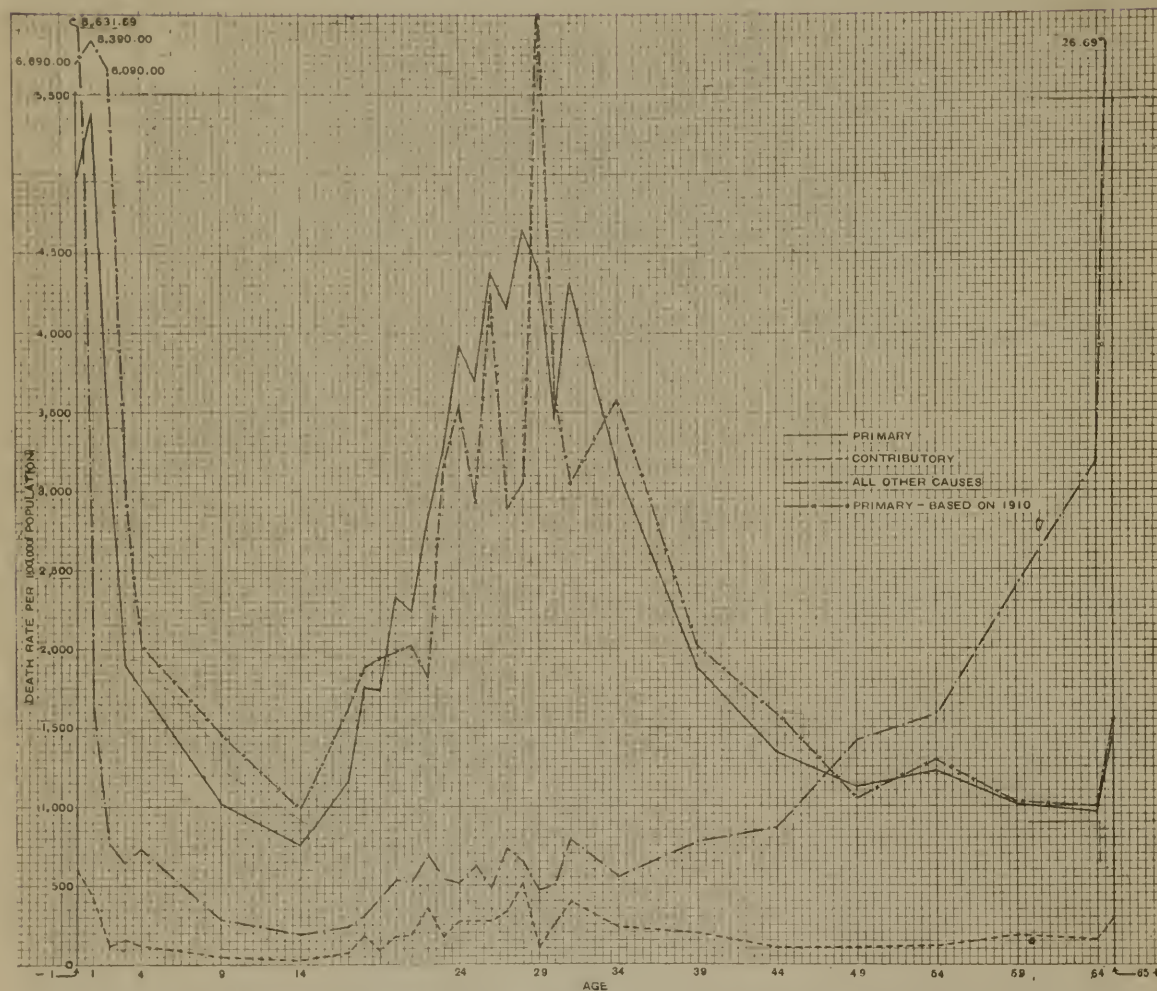


DIAGRAM 24.—PHILADELPHIA, FEMALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION, FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES AND FROM ALL OTHER CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—Primary based on 1910 is a line of rough rates drawn as a check of the accuracy of the line of primary rates based upon estimated populations. These rough rates were found by the method described on page 9 of the text.]



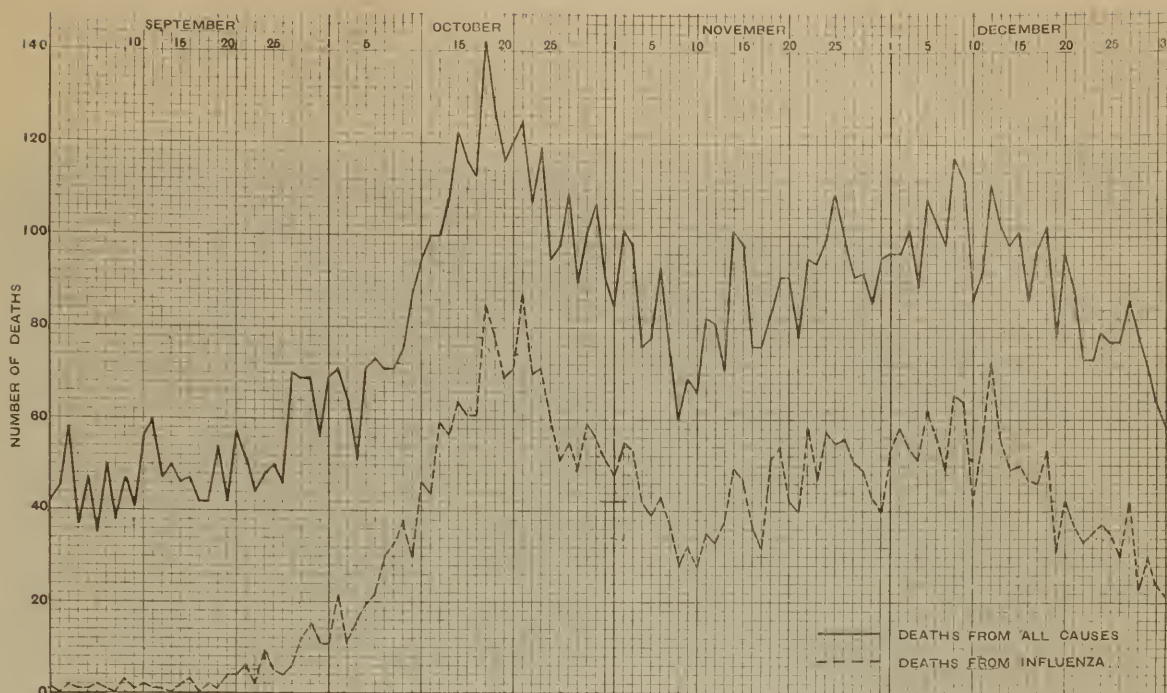


DIAGRAM 25.—INDIANA, MALES: NUMBER OF DEATHS FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918.



DIAGRAM 26.—INDIANA, FEMALES: NUMBER OF DEATHS FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

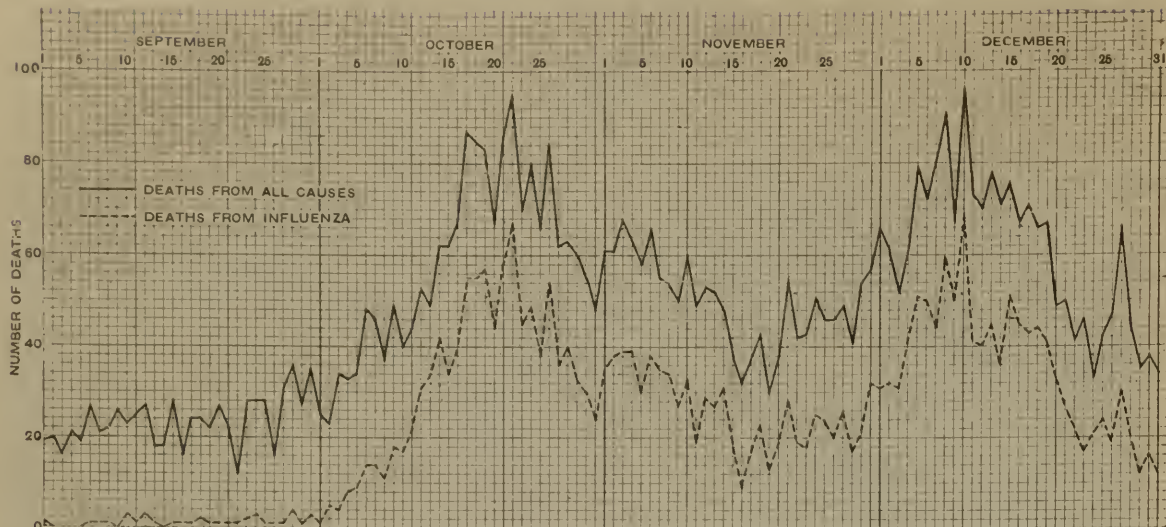


DIAGRAM 27.—KANSAS, MALES: NUMBER OF DEATHS FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918.

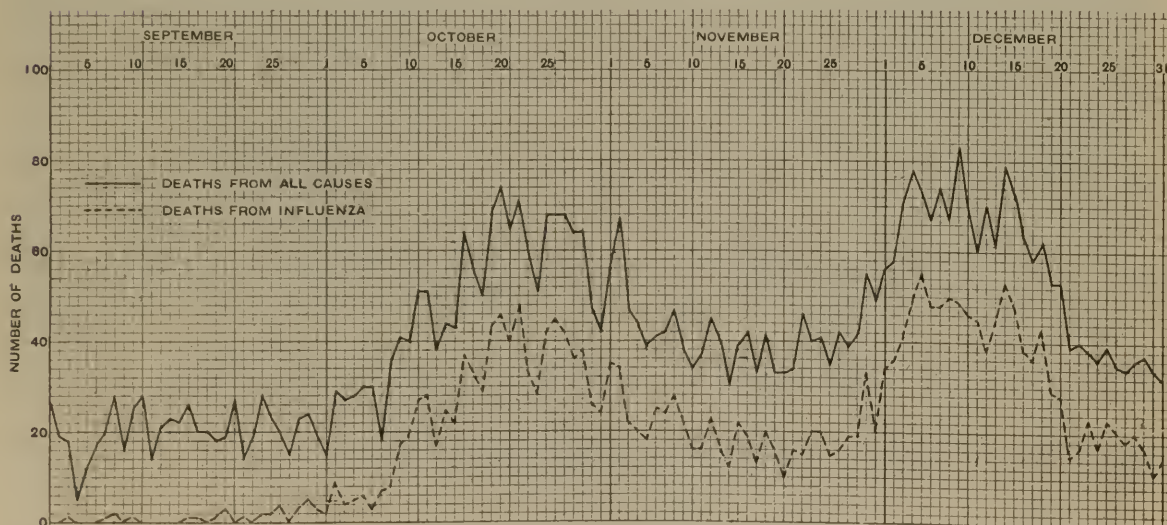


DIAGRAM 28.—KANSAS, FEMALES: NUMBER OF DEATHS FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918.



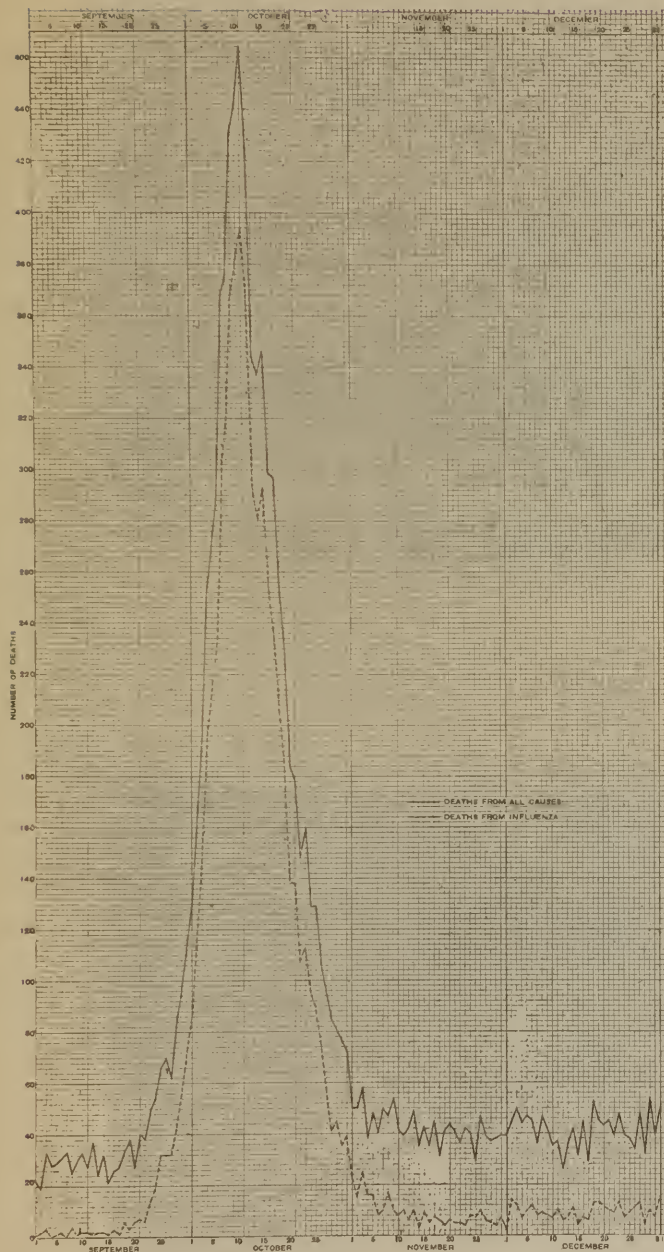


DIAGRAM 29.—PHILADELPHIA, MALES: NUMBER OF DEATHS FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918.

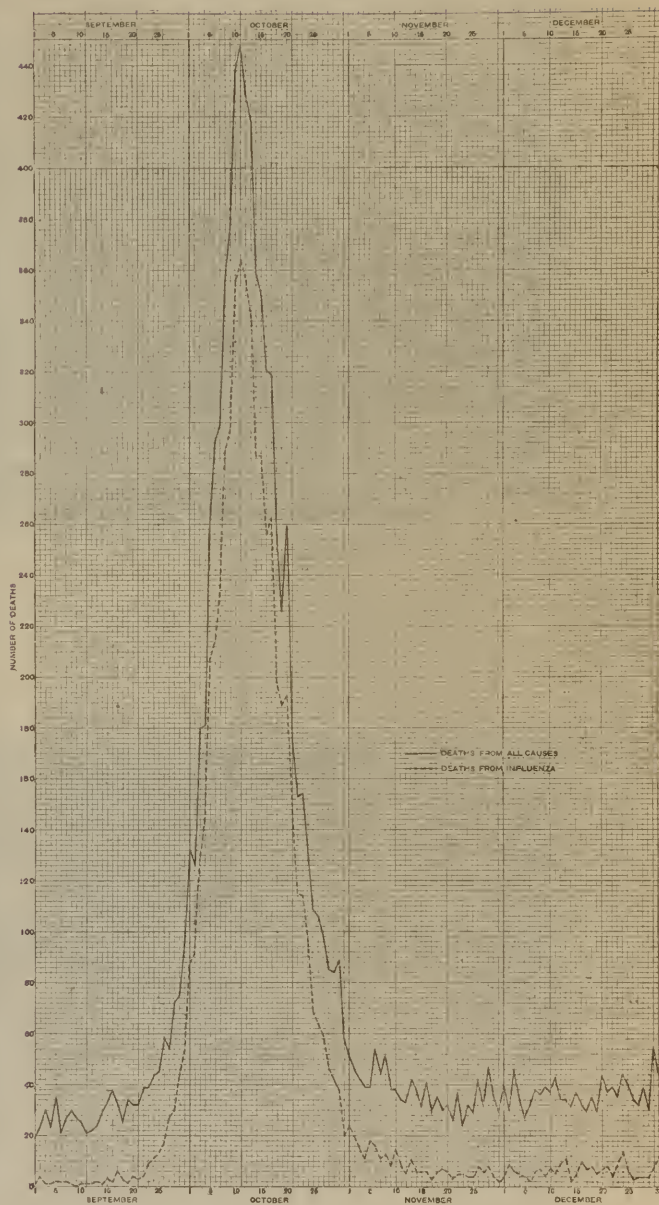


DIAGRAM 30.—PHILADELPHIA, FEMALES: NUMBER OF DEATHS FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

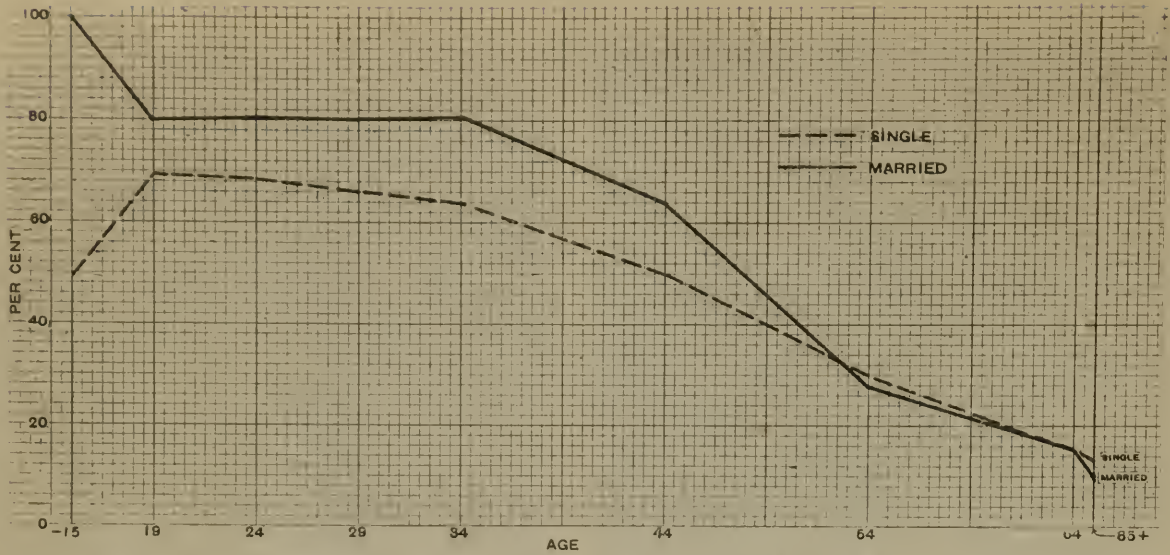


DIAGRAM 31.—INDIANA, MALES: PER CENT OF DEATHS OF SINGLE AND MARRIED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

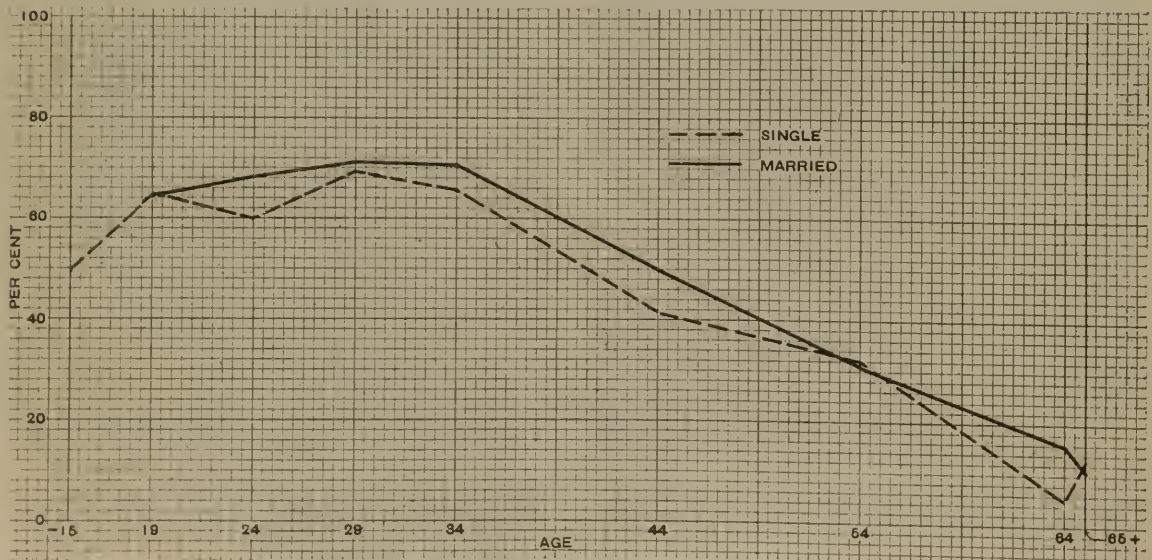


DIAGRAM 32.—INDIANA, FEMALES: PER CENT OF DEATHS OF SINGLE AND MARRIED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



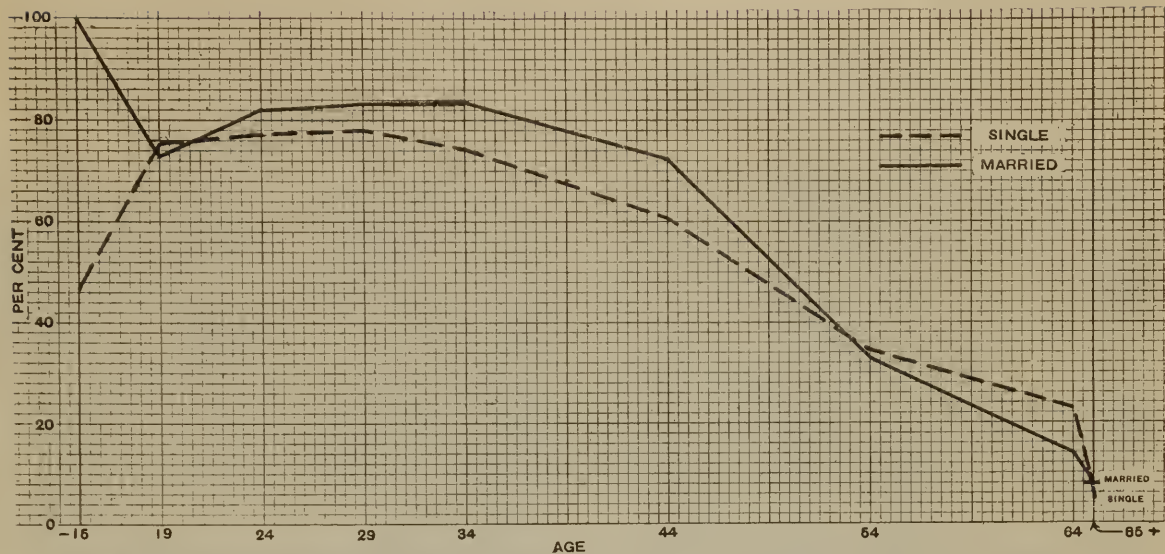


DIAGRAM 33.—KANSAS, MALES: PER CENT OF DEATHS OF SINGLE AND MARRIED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

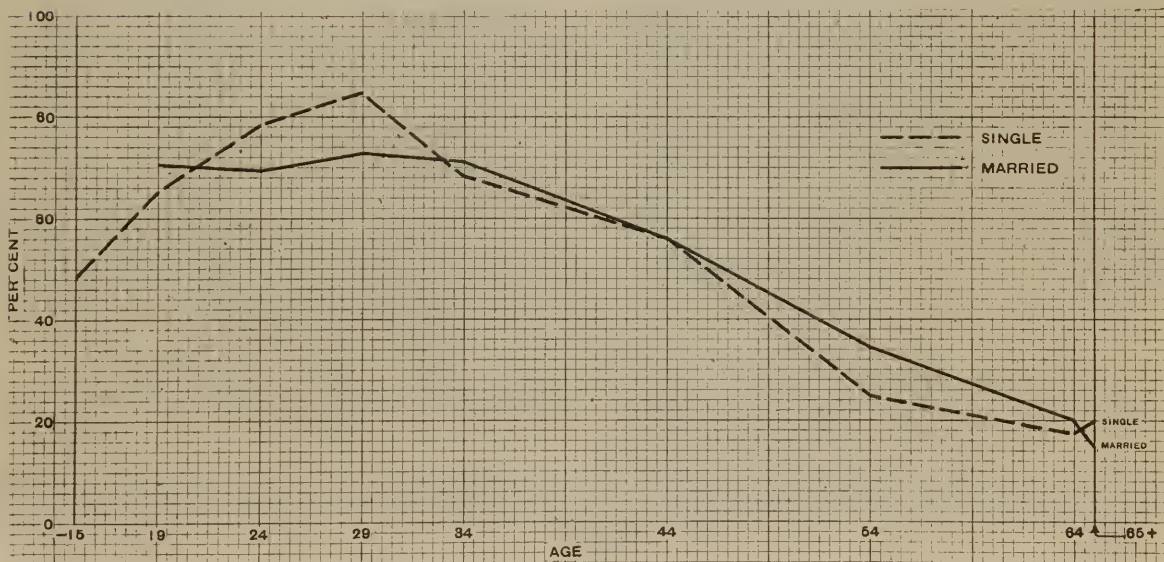


DIAGRAM 34.—KANSAS, FEMALES: PER CENT OF DEATHS OF SINGLE AND MARRIED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

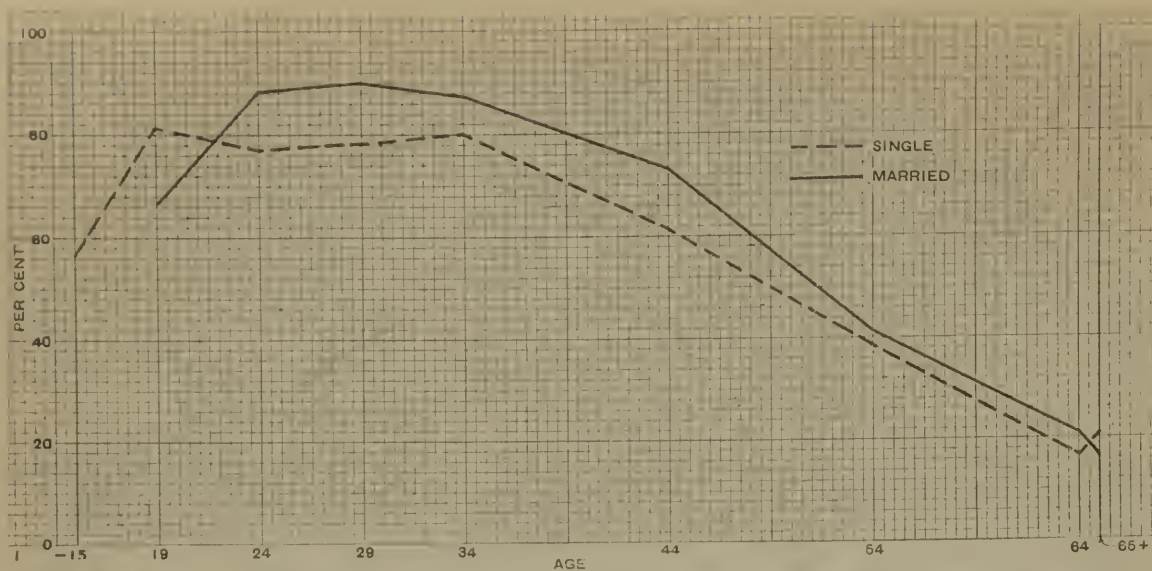


DIAGRAM 35. PHILADELPHIA, MALES: PER CENT OF DEATHS OF SINGLE AND MARRIED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

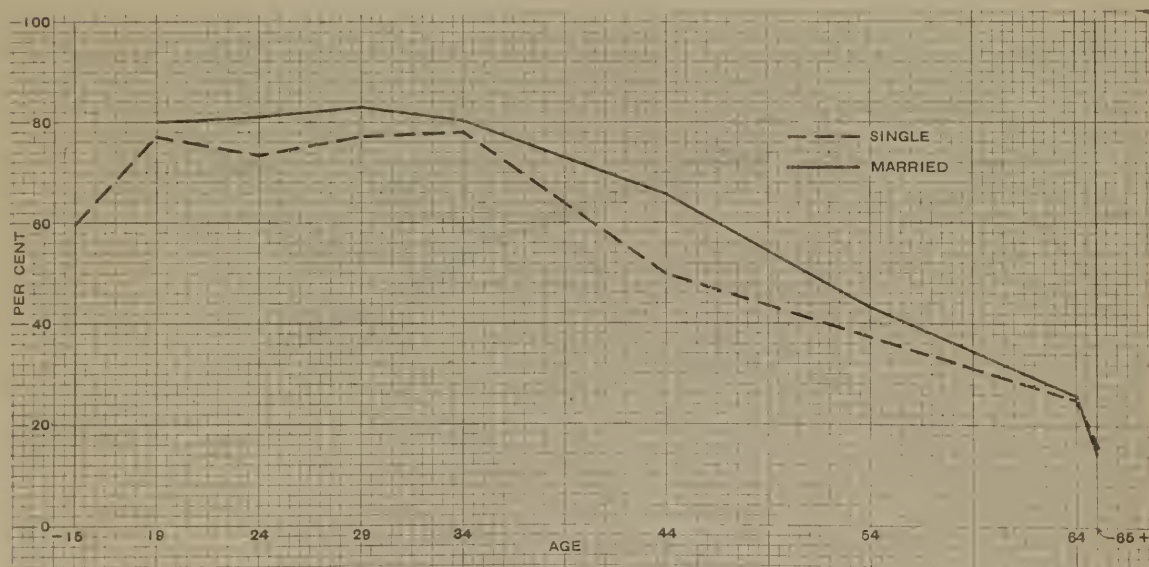


DIAGRAM 36. PHILADELPHIA, FEMALES: PER CENT OF DEATHS OF SINGLE AND MARRIED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.



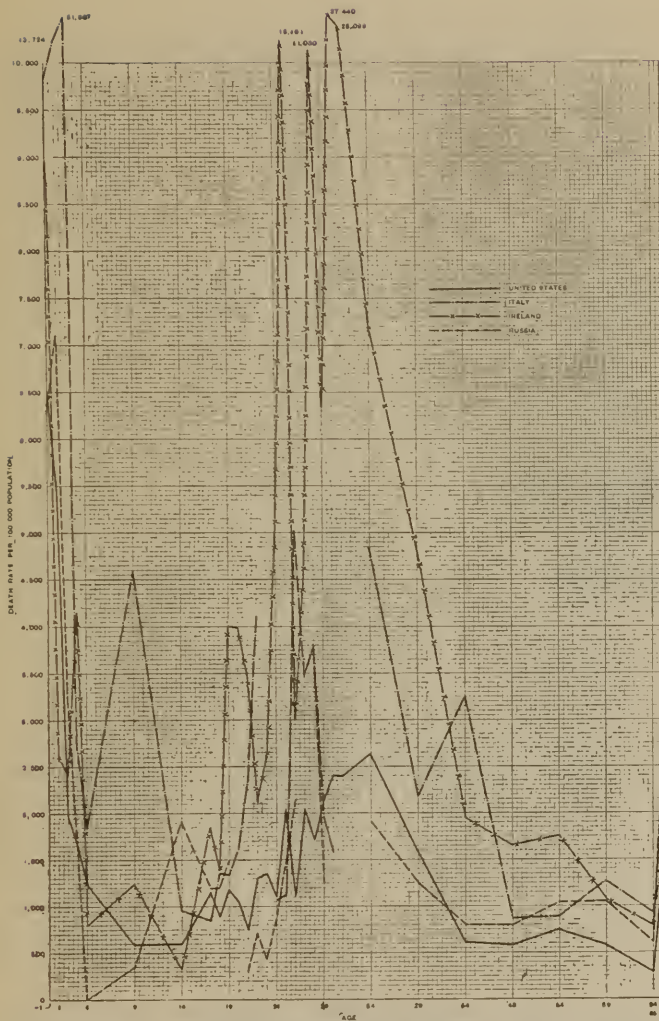


DIAGRAM 37.—PHILADELPHIA, MALES: ROUGH ANNUAL DEATH RATES FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, BY COUNTRY OF BIRTH OF MOTHER, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—These rough rates are based upon corresponding 1910 Boston rates, and the percentages in Table 4 of this report. Breaks in the lines for Italy and Russia are due to the fact that for certain ages influenza and pneumonia (all forms) caused all deaths in the four months of the epidemic, while for other ages no Boston rates were available.]

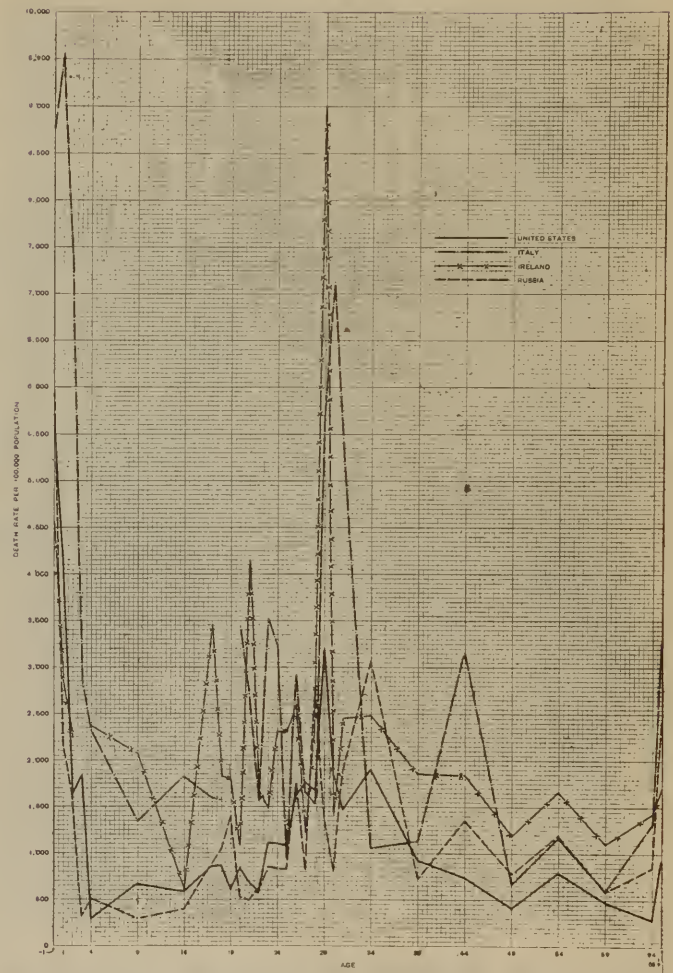


DIAGRAM 38.—PHILADELPHIA, FEMALES: ROUGH ANNUAL DEATH RATES FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, BY COUNTRY OF BIRTH OF MOTHER, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—These rough rates are based upon corresponding 1910 Boston rates, and the percentages in Table 4 of this report. Breaks in the lines for Italy and Ireland are due to the fact that for certain ages influenza and pneumonia (all forms) caused all deaths in the four months of the epidemic, while for other ages no Boston rates were available.]

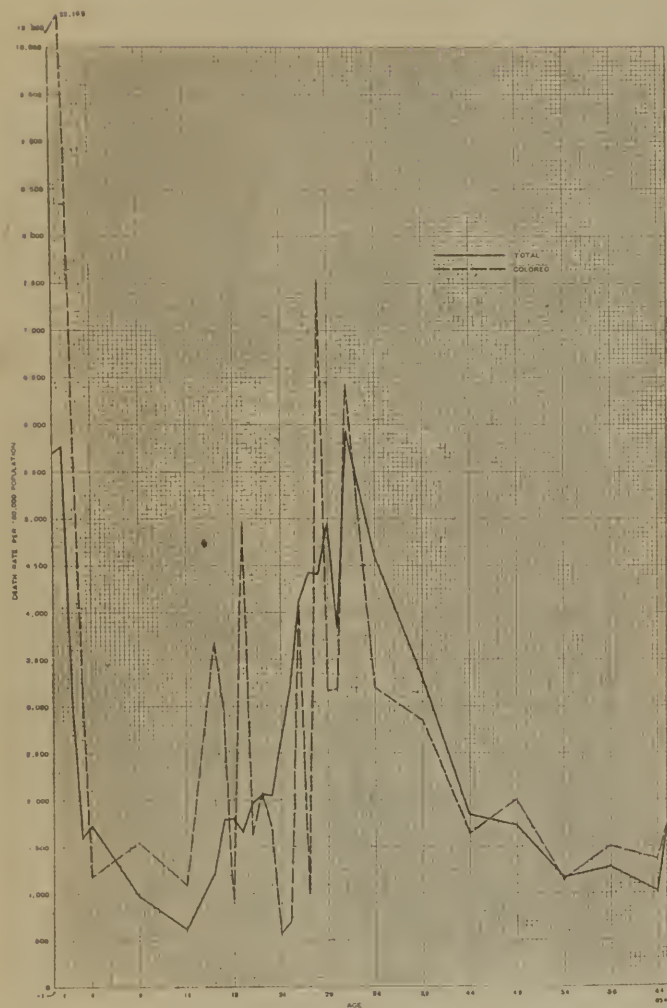


DIAGRAM 39.—PHILADELPHIA, MALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION OF TOTAL AND COLORED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—Annual death rates of all males are per 100,000 estimated male population. Annual death rates of colored are rough rates computed from 1909, 1910, and 1911 graduated data of the colored of the 10 original registration states and the District of Columbia, to which were applied the percentages of deaths from pneumonia (all forms) in 1910 among the colored males of Philadelphia and the percentages in Table 4 of this report.]

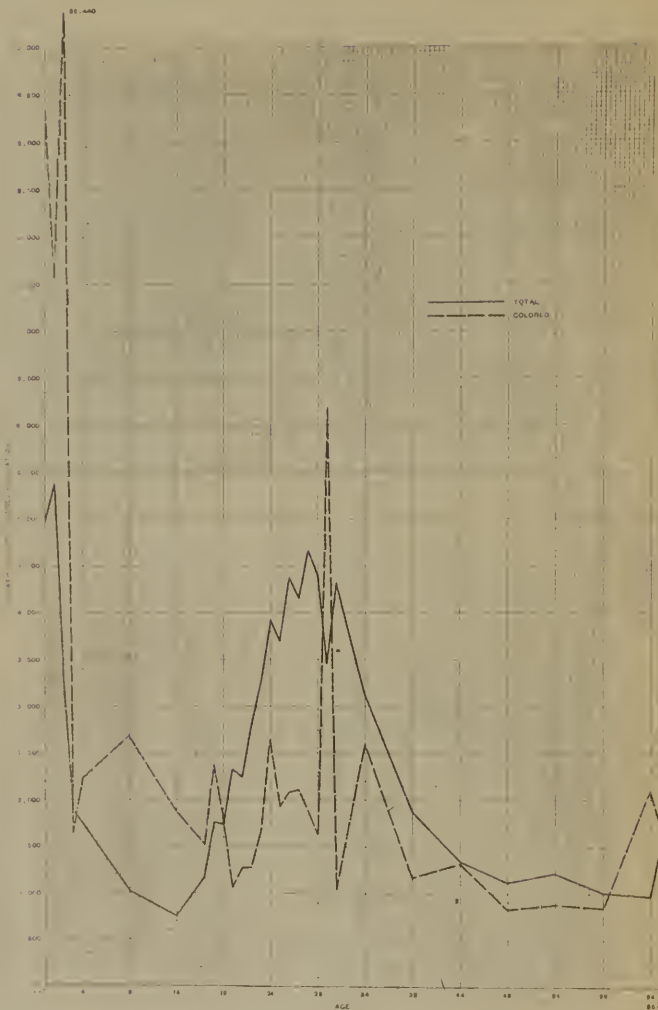


DIAGRAM 40.—PHILADELPHIA, FEMALES: ANNUAL DEATH RATE PER 100,000 ESTIMATED POPULATION OF TOTAL AND COLORED FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY CAUSES, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[NOTE.—Annual death rates of all females are per 100,000 estimated female population. Annual death rates of colored are rough rates computed from 1909, 1910, and 1911 graduated data of the colored of the 10 original registration states and the District of Columbia, to which were applied the percentages of deaths from pneumonia (all forms) in 1910 among the colored females of Philadelphia and the percentages in Table 4 of this report.]

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# TABLES

(See CONTENTS, p. 4)



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM

[This table excludes the deaths of soldiers, sailors, and marines. The term "cities" indicates municipalities of 10,000 inhabitants or more in

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA (TOTAL).											
1	All ages.....	9,871	9,399	1,486	1,313	3,003	2,818	2,588	2,466	2,794	2,802
2	Under 1 year.....	1,066	859	231	199	321	259	230	195	278	206
3	Less than 1 day.....	175	123	35	23	58	26	36	40	46	31
4	1 day.....	54	46	11	10	13	11	11	11	19	11
5	2 days.....	48	28	8	9	16	7	11	6	10	6
6	3 to 6 days.....	68	56	18	8	13	15	14	19	23	14
7	1 week.....	62	41	11	8	24	7	13	11	14	15
8	2 weeks.....	33	35	7	12	5	12	8	4	13	7
9	3 weeks.....	34	23	6	9	9	7	9	2	10	5
10	1 month.....	67	66	15	16	18	20	17	10	17	20
11	2 months.....	66	43	16	16	30	12	8	5	12	10
12	3 to 5 months.....	187	150	47	35	60	58	40	28	40	29
13	6 to 8 months.....	153	147	34	32	39	49	35	32	45	31
14	9 to 11 months.....	119	101	26	21	39	35	25	21	29	21
15	1 year.....	361	340	56	52	142	113	79	97	84	78
16	2 years.....	206	202	30	27	59	52	66	70	51	53
17	3 years.....	140	125	12	6	46	39	41	42	38	38
18	4 years.....	102	114	10	13	27	25	34	38	31	38
19	5 to 9 years.....	294	295	35	26	89	90	88	94	82	85
20	10 to 14 years.....	269	290	28	28	80	92	70	85	82	85
21	15 to 17 years.....	282	235	27	17	82	80	79	72	94	66
22	18 years.....	125	104	8	7	40	37	37	21	40	36
23	19 years.....	114	119	10	6	35	31	31	39	35	40
24	20 years.....	116	141	6	4	43	43	26	40	41	54
25	21 years.....	105	144	6	6	38	51	32	40	29	44
26	22 years.....	80	150	6	8	36	57	21	44	14	41
27	23 years.....	92	160	3	7	28	50	26	41	35	62
28	24 years.....	121	178	5	11	51	62	36	59	29	46
29	25 years.....	126	163	9	11	38	44	41	59	38	49
30	26 years.....	150	199	6	7	53	73	42	48	49	71
31	27 years.....	175	197	12	12	64	68	44	50	55	67
32	28 years.....	175	185	11	9	73	65	49	41	42	67
33	29 years.....	173	163	10	6	66	51	50	46	47	60
34	30 years.....	184	191	10	11	60	67	66	58	48	55
35	31 years.....	136	137	3	7	49	40	41	44	43	46
36	32 to 34 years.....	498	465	29	29	166	141	154	135	149	160
37	35 to 39 years.....	679	537	61	53	229	166	193	127	196	191
38	40 to 44 years.....	438	377	47	62	126	106	128	94	137	115
39	45 to 49 years.....	379	310	69	52	113	80	103	73	94	105
40	50 to 54 years.....	348	357	74	67	91	105	86	77	97	108
41	55 to 59 years.....	347	328	68	75	91	86	96	75	92	92
42	60 to 64 years.....	489	368	102	76	127	107	122	99	138	86
43	65 years and over.....	2,089	1,962	498	419	523	532	466	453	602	558
44	Unknown age.....	12	4	1		5		2	4	4	
INDIANA CITIES.											
45	All ages.....	4,070	3,862	566	506	1,305	1,200	1,110	1,016	1,089	1,140
46	Under 1 year.....	451	389	102	94	135	129	102	79	112	87
47	Less than 1 day.....	64	51	15	9	17	11	14	14	18	17
48	1 day.....	19	23	2	2	6	8	6	7	5	6
49	2 days.....	18	11	3	4	8	3	5	3	2	1
50	3 to 6 days.....	34	19	9	4	6	8	8	6	11	1
51	1 week.....	28	20	3	5	9	4	7	3	9	8
52	2 weeks.....	14	16	4	5	1	6	5	1	4	4
53	3 weeks.....	14	9	5	4	3	1	1	2	5	2
54	1 month.....	36	31	8	8	10	10	10	6	8	10
55	2 months.....	32	28	8	11	15	8	4	3	5	6
56	3 to 5 months.....	78	71	21	23	23	23	18	10	16	15
57	6 to 8 months.....	60	65	15	14	16	27	13	13	16	11
58	9 to 11 months.....	54	42	9	5	21	20	11	11	13	6
59	1 year.....	154	133	21	11	65	52	38	41	30	29
60	2 years.....	93	70	10	9	28	19	38	19	17	23
61	3 years.....	59	57	4	4	23	18	21	23	11	12
62	4 years.....	42	44	6	7	11	15	15	13	10	9
63	5 to 9 years.....	144	130	17	14	47	35	46	42	34	39
64	10 to 14 years.....	89	96	14	17	25	32	21	27	29	20
65	15 to 17 years.....	85	62	11	7	28	13	17	21	29	21
66	18 years.....	39	43	3	4	14	13	8	12	14	14
67	19 years.....	33	36	3	1	7	18	13	10	10	7

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, SEPTEMBER TO DECEMBER, 1918.

1910, smaller places being included in the "rural districts." The cities shown are those which had a population of 25,000 or more in 1910.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
4,356	4,107	102	63	1,535	1,403	1,318	1,224	1,401	1,417	353	624	28	40	111	194	106	164	108	226
313	228	19	8	94	86	85	58	115	76	36	33	5	6	11	10	10	10	10	7
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	2	1	2	4	2	2	1	1	1	1	1	1	1	1	1	1
9	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	6	1	2	5	4	2	2	3	2	2	2	1	1	1	1	1	1	1	1
6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	6	1	1	3	3	1	2	4	2	1	1	1	1	1	1	1	1	1	1
17	15	2	1	7	4	2	3	6	7	2	2	2	2	2	2	2	2	2	2
25	10	3	1	12	2	2	3	8	4	2	1	1	1	1	1	1	1	1	1
77	54	3	1	24	25	24	12	26	16	7	9	2	1	1	5	1	2	3	1
89	68	3	1	20	28	25	16	41	23	9	12	2	2	3	1	3	5	1	4
64	55	4	1	20	21	18	15	22	19	13	5	1	1	6	4	2	1	4	13
226	203	6	3	91	69	64	76	65	55	22	25	3	2	12	8	4	8	3	7
132	136	3	3	45	36	48	56	39	41	4	4	2	2	1	4	4	1	1	16
93	89	2	3	36	27	28	33	27	26	6	7	1	1	2	3	3	1	3	17
69	75	1	1	18	18	28	28	22	29	2	7	1	1	1	1	1	4	1	2
187	200	3	1	64	64	59	69	61	66	7	18	3	3	1	5	3	6	3	4
166	176	4	1	65	59	45	56	52	61	17	23	3	1	5	12	5	6	4	20
187	156	1	1	58	54	55	52	73	49	6	15	1	1	1	5	3	7	3	2
92	70	1	1	30	29	26	16	35	24	7	9	1	1	2	1	3	3	2	2
81	73	1	1	25	24	28	26	27	23	4	15	1	1	1	4	2	4	1	7
89	98	1	1	32	35	22	28	34	34	2	10	1	1	1	2	4	1	4	24
75	94	2	1	29	35	24	32	20	26	5	19	1	1	1	9	2	4	2	6
52	100	1	2	25	41	19	30	8	27	4	18	1	1	1	8	5	5	5	26
70	104	1	1	21	34	22	25	26	45	5	19	1	1	1	7	7	4	5	27
85	116	1	4	41	45	21	35	23	32	7	24	1	1	2	7	4	9	1	8
100	114	4	2	31	34	33	40	32	38	6	18	1	3	1	4	3	6	2	5
103	141	1	1	37	53	30	35	36	53	4	25	1	1	3	10	4	4	1	11
133	133	2	1	54	49	33	36	44	47	11	34	3	1	13	8	6	2	12	31
134	132	1	1	60	53	39	29	34	50	8	14	1	1	4	1	2	8	2	4
141	120	1	1	54	42	43	34	43	43	9	15	1	1	3	4	4	5	2	6
144	149	2	1	52	58	54	46	36	44	7	14	1	1	1	4	2	3	4	7
103	88	1	1	42	22	29	32	32	33	6	10	1	1	2	3	2	4	2	3
372	315	1	4	131	107	125	95	115	109	22	48	2	1	10	11	4	11	6	25
452	289	6	2	168	99	134	69	144	119	30	61	3	2	8	23	9	10	10	26
214	157	5	5	70	48	67	45	72	59	18	23	1	1	3	7	8	6	6	10
117	102	5	2	40	31	38	24	34	45	15	13	1	1	6	3	3	3	5	6
87	97	5	4	33	34	21	24	28	35	13	22	1	1	5	7	2	3	5	11
61	47	4	1	13	14	19	12	25	21	9	16	1	1	4	3	2	3	2	10
66	56	2	2	20	20	16	18	30	16	20	9	1	2	4	3	7	2	8	2
209	247	24	10	54	83	62	63	69	91	41	56	6	9	14	15	6	13	15	19
3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
2,004	1,803	57	39	743	641	629	527	575	596	125	241	14	18	43	69	36	72	32	82
141	119	9	8	46	52	42	25	44	34	11	11	3	3	1	2	4	4	3	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	5	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1
5	4	2	2	2	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1
3	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
5	4	1	1	2	3	1	2	2	3	1	1	1	1	1	1	1	1	1	1
8	9	1	1	4	3	1	1	2	2	1	1	1	1	1	1	1	1	1	1
10	5	1	1	6	1	1	1	3	8	11	3	1	1	1	1	1	1	1	1
28	31	2	1	8	16	10	3	14	8	3	6	2	2	1	1	1	2	1	1
38	35	2	1	10	19	12	7	14	8	3	3	1	1	1	1	1	1	1	1
35	24	1	1	14	11	9	7	11	6	3	2	1	1	1	1	1	1	1	1
101	90	3	2	43	36	32	33	23	19	8	8	3	1	4	4	2	1	2	59
67	45	2	2	25	12	29	16	13	15	1	2	1	1	1	1	1	1	1	60
39	41	1	3	19	15	12	16	7	7	3	3	1	1	1	1	1	1	1	61
25	25	1	1	7	11	12	11	6	3	2	2	1	1	1	1	1	1	1	62
87	76	2	1	34	21	27	29	24	26	5	9	1	2	1	2	3	3	1	2
50	50	3	3	17	20	14	16	16	14	2	8	1	1	1	3	3	1	1	63
51	39	1	1	17	7	11	14	23	18	2	2	1	1	1	1	1	1	1	64
28	26	1	1	10	9	7	12	9	9	4	4	1	1	1	1	1	1	1	65
25	24	1	1	4	12	13	6	8	6	4	4	1	1	1	1	1	1	1	66



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA CITIES—Continued.											
1	20 years.....	36	82	3	4	13	23	6	23	14	32
2	21 years.....	38	69	3	4	17	21	11	19	7	25
3	22 years.....	33	70	1	2	15	27	9	22	8	19
4	23 years.....	50	73	2	4	15	19	21	20	12	30
5	24 years.....	45	83	1	6	21	27	13	34	10	16
6	25 years.....	62	76	6	7	14	19	24	27	18	23
7	26 years.....	80	97	4	3	28	36	25	24	23	34
8	27 years.....	88	96	4	5	41	29	22	23	21	39
9	28 years.....	96	92	8	4	41	30	31	27	16	31
10	29 years.....	90	87	6	3	32	29	26	25	26	30
11	30 years.....	109	88	7	4	36	29	37	27	29	28
12	31 years.....	64	62	3	2	28	19	17	20	16	21
13	32 to 34 years.....	252	216	11	16	93	73	79	59	69	68
14	35 to 39 years.....	341	229	32	17	124	71	84	58	101	83
15	40 to 44 years.....	236	184	24	25	76	56	68	42	68	61
16	45 to 49 years.....	177	132	31	27	54	38	50	30	42	37
17	50 to 54 years.....	161	158	34	30	45	46	38	36	43	46
18	55 to 59 years.....	138	149	28	28	34	44	42	34	34	43
19	60 to 64 years.....	183	131	41	27	42	39	47	21	53	34
20	65 years and over.....	598	624	126	120	151	181	140	144	181	179
21	Unknown age.....	4	4	.....	.....	1	.....	1	4	2	.....
INDIANA RURAL DISTRICTS.											
22	All ages.....	5,801	5,537	920	897	1,698	1,618	1,478	1,450	1,705	1,662
23	Under 1 year.....	615	470	132	105	189	130	128	116	166	119
24	Less than 1 day.....	111	72	20	14	41	15	22	26	28	17
25	1 day.....	35	23	9	8	7	3	5	7	14	5
26	2 days.....	30	17	5	5	4	4	9	3	8	5
27	3 to 6 days.....	34	37	9	4	7	7	6	13	12	13
28	1 week.....	34	21	8	3	15	3	6	8	5	7
29	2 weeks.....	19	19	3	7	4	6	3	3	9	3
30	3 weeks.....	20	14	1	5	6	6	8	.....	5	3
31	1 month.....	31	32	7	8	8	10	7	4	9	10
32	2 months.....	34	15	8	5	15	4	4	2	7	4
33	3 to 5 months.....	109	79	26	12	37	35	22	18	24	14
34	6 to 8 months.....	93	82	19	18	23	22	22	19	20	23
35	9 to 11 months.....	65	59	17	16	18	15	14	13	16	15
36	1 year.....	207	207	35	41	77	61	41	56	54	49
37	2 years.....	113	132	20	18	31	33	28	51	34	30
38	3 years.....	81	68	8	2	23	21	23	19	27	26
39	4 years.....	60	70	4	6	16	10	19	25	21	29
40	5 to 9 years.....	150	165	18	12	42	55	42	52	48	46
41	10 to 14 years.....	180	194	14	11	64	60	49	58	53	65
42	15 to 17 years.....	197	173	16	10	54	67	62	51	65	45
43	18 years.....	86	61	5	3	26	24	29	12	26	22
44	19 years.....	81	83	7	5	28	16	21	29	25	33
45	20 years.....	80	59	3	.....	30	20	20	17	27	22
46	21 years.....	67	75	3	2	21	33	21	21	22	19
47	22 years.....	47	80	5	6	21	30	15	22	6	22
48	23 years.....	42	87	1	3	13	31	5	21	23	32
49	24 years.....	76	95	4	5	30	35	23	25	19	30
50	25 years.....	64	87	3	4	24	25	17	32	20	26
51	26 years.....	70	102	2	4	25	37	17	24	26	37
52	27 years.....	87	101	8	7	23	39	22	27	34	28
53	28 years.....	79	93	3	5	32	35	18	17	26	36
54	29 years.....	83	76	4	3	34	22	24	21	21	30
55	30 years.....	75	103	3	7	24	38	29	31	19	27
56	31 years.....	72	75	.....	5	21	21	24	24	27	25
57	32 to 34 years.....	246	249	18	13	73	68	75	76	80	92
58	35 to 39 years.....	338	308	29	36	105	95	109	69	95	108
59	40 to 44 years.....	202	193	23	37	50	50	60	52	69	54
60	45 to 49 years.....	202	178	38	25	59	42	53	43	52	68
61	50 to 54 years.....	187	199	40	37	45	50	48	41	54	62
62	55 to 59 years.....	209	179	40	47	57	42	54	41	58	49
63	60 to 64 years.....	306	237	61	49	85	68	75	68	85	52
64	65 years and over.....	1,491	1,338	372	299	372	351	326	309	421	379
65	Unknown age.....	8	.....	1	.....	4	.....	1	.....	2	.....



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[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																					
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.											
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.			
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.		
23	53	.....	1	8	18	6	16	9	18	2	9	.....	.....	1	1	.....	4	1	4	1	
27	43	2	.....	14	15	7	15	4	13	2	8	.....	.....	3	1	.....	2	1	3	2	
24	50	.....	1	12	23	8	15	4	11	1	5	.....	.....	1	1	.....	3	.....	1	3	
39	51	1	.....	11	12	18	14	9	25	.....	7	.....	.....	3	.....	2	.....	2	4		
33	56	.....	3	17	20	8	21	8	12	2	10	.....	.....	1	3	1	4	.....	3	5	
50	52	2	1	11	15	20	18	17	18	1	8	.....	3	.....	2	1	1	.....	2	6	
56	75	.....	.....	19	31	18	16	19	28	1	8	.....	.....	1	3	.....	3	.....	2	7	
71	70	2	1	36	22	16	17	17	30	5	13	.....	2	1	5	4	1	.....	5	8	
73	63	1	.....	34	26	25	17	13	20	5	7	.....	.....	3	.....	1	5	1	2	9	
74	67	1	1	25	24	24	18	24	24	3	10	.....	.....	1	3	1	4	1	3	10	
83	68	2	1	31	26	31	18	19	23	5	9	.....	.....	1	2	.....	3	4	4	11	
49	44	.....	1	23	13	13	14	13	16	2	5	.....	.....	1	1	1	2	.....	2	12	
200	146	1	3	73	55	69	41	57	47	6	21	.....	.....	5	5	1	6	.....	10	13	
220	131	5	.....	87	48	55	31	73	52	17	18	.....	.....	5	7	5	4	6	7	14	
127	79	4	4	49	23	36	22	38	30	7	9	.....	1	1	4	4	.....	1	5	15	
69	42	4	2	24	13	24	12	17	15	6	4	.....	1	3	1	.....	1	2	2	16	
45	47	1	1	19	18	10	10	15	18	5	9	.....	1	3	1	.....	3	2	4	17	
23	25	3	.....	4	9	8	6	8	10	1	5	.....	.....	1	1	1	1	1	3	18	
26	19	.....	2	7	6	9	6	10	5	8	5	.....	2	1	1	3	1	3	1	19	
77	85	10	1	17	29	25	25	25	30	16	18	.....	3	3	7	6	2	4	5	20	
1	2	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21	
2,352	2,304	45	24	792	762	689	697	826	821	228	383	14	22	68	125	70	92	76	144	22	
172	109	10	.....	48	34	43	33	71	42	25	22	.....	2	3	10	8	6	6	7	5	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	24
3	1	.....	.....	2	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
5	3	1	.....	.....	.....	1	2	2	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	26
5	2	1	.....	3	.....	1	1	1	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	27
3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
9	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
15	5	2	.....	3	1	1	1	4	4	2	2	.....	2	.....	.....	2	.....	.....	.....	.....	31
49	23	1	.....	6	1	1	2	6	2	2	.....	.....	.....	1	.....	1	.....	.....	.....	.....	32
51	33	1	.....	16	9	14	9	18	5	4	8	.....	1	1	5	.....	1	2	1	33	
29	31	3	.....	10	9	13	9	27	15	6	6	.....	1	3	3	2	3	1	3	34	
.....	.....	.....	.....	6	10	9	8	11	13	10	3	.....	1	5	3	1	3	.....	.....	.....	35
125	113	3	1	48	33	32	43	42	36	14	17	.....	2	8	4	4	6	2	5	36	
65	91	.....	1	20	24	19	40	26	26	3	2	.....	1	.....	3	3	.....	.....	1	37	
54	48	1	.....	17	12	16	17	20	19	3	4	.....	1	1	2	1	.....	1	1	38	
44	50	1	.....	11	7	16	17	16	26	2	5	.....	.....	.....	1	1	3	1	1	39	
100	124	1	1	30	43	32	40	37	40	2	9	.....	1	.....	3	.....	3	2	2	40	
116	126	1	.....	48	39	31	40	36	47	15	15	.....	2	5	9	5	3	3	3	41	
136	117	1	1	41	47	44	38	50	31	6	13	.....	.....	5	3	5	3	2	2	42	
64	44	1	.....	20	20	20	9	23	15	7	5	.....	1	2	1	3	1	2	2	43	
56	49	1	.....	21	12	15	20	19	17	4	11	.....	.....	1	1	2	3	1	7	44	
66	45	1	.....	24	17	16	12	25	16	.....	1	.....	.....	.....	1	.....	.....	.....	.....	45	
48	51	.....	1	15	20	17	16	13	13	3	11	.....	.....	1	6	1	2	1	3	46	
28	50	.....	1	13	18	11	15	4	16	3	13	.....	.....	3	7	.....	2	.....	4	47	
31	53	.....	.....	10	22	4	11	17	20	5	12	.....	.....	1	4	4	5	4	3	48	
52	60	.....	1	24	25	13	14	15	20	5	14	.....	.....	1	4	3	5	1	5	49	
50	62	2	1	20	19	13	22	15	20	5	10	.....	1	.....	2	2	5	2	3	50	
47	66	.....	.....	18	22	12	19	17	25	3	17	.....	.....	2	7	.....	1	1	9	51	
62	63	.....	.....	18	27	17	19	27	17	6	21	.....	.....	8	4	4	5	2	7	52	
61	69	.....	.....	26	27	14	12	21	30	3	7	.....	1	1	1	3	1	2	5	53	
67	53	.....	.....	29	18	19	16	19	19	6	5	.....	.....	2	1	3	1	1	3	54	
61	81	.....	.....	21	32	23	28	17	21	2	5	.....	.....	.....	2	2	.....	.....	3	55	
54	44	.....	.....	19	9	16	18	19	17	4	5	.....	.....	1	2	1	2	2	1	56	
172	169	.....	1	58	52	56	54	58	62	16	27	.....	2	5	6	3	5	6	15	57	
232	158	1	2	81	51	79	38	71	67	13	43	.....	2	3	16	4	6	4	19	58	
87	78	1	1	21	25	31	23	34	29	11	14	.....	.....	2	3	4	6	5	5	59	
48	60	1	.....	16	18	14	12	17	30	9	9	.....	1	3	2	3	2	3	4	60	
42	50	4	3	16	16	11	14	13	17	8	13	.....	1	2	6	2	.....	3	7	61	
38	22	1	.....	9	5	11	6	17	11	8	11	.....	1	4	2	1	2	2	7	62	
40	37	.....	.....	13	14	7	12	20	11	12	4	.....	.....	3	2	4	1	5	1	63	
132	162	14	9	37	54	37	38	44	61	25	38	.....	3	6	7	9	4	9	11	64	
2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65	

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANAPOLIS, IND.											
1	All ages.....	1,042	1,080	172	144	350	354	293	295	227	287
2	Under 1 year.....	99	79	28	17	35	25	21	18	15	19
3	Less than 1 day.....	15	14	4	1	1	6	4	4	6	3
4	1 day.....	3	2	1	1	1	1	1	1	1	1
5	2 days.....	6	4	1	1	4	1	1	2	1	1
6	3 to 6 days.....	9	5	5	2	3	1	1	2	1	1
7	1 week.....	5	2	2	1	2	1	1	1	2	1
8	2 weeks.....	2	3	2	1	2	2	1	1	1	1
9	3 weeks.....	4	3	2	3	1	1	1	1	1	1
10	1 month.....	6	12	2	1	1	3	3	3	3	5
11	2 months.....	9	6	1	1	7	3	1	1	1	1
12	3 to 5 months.....	22	10	9	2	6	2	5	2	2	4
13	6 to 8 months.....	7	13	1	4	3	6	2	1	1	2
14	9 to 11 months.....	11	5	1	1	6	1	2	2	3	1
15	1 year.....	29	18	2	1	14	9	7	6	6	3
16	2 years.....	18	17	1	1	6	6	6	5	5	5
17	3 years.....	13	11	1	1	5	3	6	6	2	2
18	4 years.....	10	14	3	1	1	5	3	6	3	2
19	5 to 9 years.....	38	33	3	5	14	9	17	6	4	13
20	10 to 14 years.....	28	20	5	1	7	11	7	6	9	2
21	15 to 17 years.....	20	24	4	3	10	5	4	7	2	9
22	18 years.....	8	12	1	1	5	6	4	4	2	1
23	19 years.....	6	13	1	1	1	8	2	4	2	1
24	20 years.....	7	23	1	1	4	7	1	7	2	8
25	21 years.....	8	27	1	2	4	10	1	6	2	9
26	22 years.....	5	22	1	2	2	7	2	9	1	6
27	23 years.....	11	15	1	2	4	3	7	2	8	8
28	24 years.....	9	28	1	1	3	9	4	13	2	5
29	25 years.....	13	20	3	3	1	6	6	6	3	5
30	26 years.....	17	20	1	1	6	7	4	7	6	6
31	27 years.....	17	21	2	2	10	9	4	6	3	4
32	28 years.....	25	25	4	1	9	10	10	7	2	7
33	29 years.....	28	23	3	3	11	10	9	7	5	8
34	30 years.....	35	23	2	2	13	7	11	11	9	3
35	31 years.....	15	13	1	1	6	5	6	4	2	3
36	32 to 34 years.....	65	66	2	4	32	24	16	20	15	18
37	35 to 39 years.....	89	63	9	3	31	20	25	14	24	26
38	40 to 44 years.....	59	61	8	11	24	19	16	13	11	18
39	45 to 49 years.....	49	48	13	13	15	12	12	11	9	12
40	50 to 54 years.....	52	58	16	9	14	21	8	11	14	17
41	55 to 59 years.....	42	62	11	11	11	18	14	16	6	17
42	60 to 64 years.....	57	43	12	13	13	13	16	10	16	7
43	65 years and over.....	170	173	37	33	39	50	49	47	45	43
44	Unknown age.....										
EVANSVILLE, IND.											
45	All ages.....	324	303	41	43	110	93	87	85	86	82
46	Under 1 year.....	26	27	3	7	10	13	5	3	8	4
47	Less than 1 day.....	11	5	2	1	6	1	1	3	2	1
48	1 day.....	1	1	1	1	1	1	1	1	1	1
49	2 days.....	1	1	1	1	1	1	1	1	1	1
50	3 to 6 days.....	2	1	1	1	1	1	1	1	1	1
51	1 week.....	2	1	1	1	1	1	1	1	1	1
52	2 weeks.....	1	1	1	1	1	1	1	1	1	1
53	3 weeks.....	1	1	1	1	1	1	1	1	1	1
54	1 month.....	1	4	1	1	1	1	1	1	1	1
55	2 months.....	2	1	1	1	3	1	1	1	1	1
56	3 to 5 months.....	1	8	1	4	3	1	1	1	1	1
57	6 to 8 months.....	2	5	1	1	4	1	1	1	1	1
58	9 to 11 months.....	3	3	1	1	2	1	1	1	1	1
59	1 year.....	14	9	3	3	5	2	3	3	3	1
60	2 years.....	10	6	1	1	2	2	4	3	3	1
61	3 years.....	6	5	1	1	3	3	2	1	1	1
62	4 years.....	3	2	1	1	2	1	1	1	1	1
63	5 to 9 years.....	9	5	1	1	1	1	5	4	3	1
64	10 to 14 years.....	5	9	1	2	4	2	1	3	2	2
65	15 to 17 years.....	4	6	1	1	2	2	1	2	2	2
66	18 years.....	3	4	1	1	1	2	1	1	1	1
67	19 years.....	4	2	1	1	1	1	1	2	2	1



## 39

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	
459	486	19	12	192	187	153	142	95	145	37	51	2	6	13	13	12	18	10	14	1
22	22	1	2	11	8	6	4	4	8	2	2	1				1	1		1	2
																				3
																				4
	2		1																	5
	1																			6
																				7
	1		1																	8
1	4				1	1	1		2											9
2	1																			10
6	6	1		2	2	2	1	1	3	2		1				1				11
5	5			2	5	2		1			2						1		1	12
8	2			5		1	1	2	1											13
20	13			8	5	7	6	5	2	2	1			2	1					14
14	10			6	3	5	4	3	3											15
11	9			4	2	5	5	2	2	1				1						16
6	7			1	3	3	4	2			1						1			17
23	14	1		10	4	10	2	2	8	1	4	1				1	2		1	18
19	13	2		5	8	6	3	6	2		3		1		1		2			19
11	15			7	5	2	3	2	7		2						2			20
6	9			4	5		3	2	1											21
3	10				6	2	3	1	1		1				1					22
4	16			3	5		6	1	5		2						1			23
3	15			1	4		4	1	4	1					1		1	1		24
5	18			2	7	2	6	1	5											25
8	10			1	2	7	1		7											26
7	21		1	2	6	4	10	1	4		4			2			1		1	27
																				28
9	13			1	6	5	3	3	4		1	1		1						29
12	18			3	7	3	5	6	6	1				1			2			30
12	16			9	8	2	5	1	3	2	2		1		1	2				31
16	16			6	9	8	4	2	3	1	1					1			1	32
23	21	1	1	10	8	9	6	3	6	1	3				1		1	1	1	33
24	17			11	6	9	9	4	2	2	2						1	2	1	34
10	9			6	4	3	3	1	2	1						1				35
51	47		2	29	19	13	13	9	13	2	6			2	1		1		4	36
48	36	2		18	13	14	7	14	16	6	4			3	2	2	1	1	1	37
27	22	1	2	14	7	9	5	3	8	2	2				1	1		1	1	38
																				39
15	10	3	2	6	2	4	3	2	3	2	1				1					40
12	15	1		5	5	3	3	3	7	1			1		1					41
7	12	3		2	4	1	2	1	6	1	2					1		2		42
5	8		2	1	2	2	3	2	1	4						2		2		43
26	24	4		5	11	9	7	8	6	4	4	1	2	2	1		1	1		44
																				45
129	148	1	1	40	51	43	53	45	43	14	21	1	2	5	5	4	5	4	9	46
7	8			3	6	2	1	2	1											47
																				48
																				49
																				50
1				1																51
1																				52
1				1																53
																				54
	1				1															55
	2				2															56
2	4				3	1	1	1												57
2	1			1		1			1											58
																				59
7	5		1	3	1	3	3	1		1	1				1			1		60
3	4			1	1	1		3	2				1							61
2	5			2	3			1		1										62
2	1			1	1	1														63
																				64
6	4					3	3	3	1	1										65
3	6			2	2	1	2		2											66
1	3					1			1											67
3	2																			68
2	2					1	2		1											69

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.			DEATHS FROM—									
			All causes.									
			Total for 4 months.		September.		October.		November.		December.	
			Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
EVANSVILLE, IND.—continued.												
1	20 years.....	6	6			2	3	2		2	3	
2	21 years.....	1	3				1	2		1		
3	22 years.....	4	1		1	4			2			
4	23 years.....	7	7	1		1	2	2	1	3	4	
5	24 years.....	1	9			1	4		4		1	
6	25 years.....	5	4			1		3	3	1	1	
7	26 years.....	7	8		2	4	3	3	1		2	
8	27 years.....	6	5			5	1	1	1		3	
9	28 years.....	7	10	1		3	2	2	4	1	4	
10	29 years.....	10	8			3	3	3	3	4	2	
11	30 years.....	3	5			1	2	1	1	1	2	
12	31 years.....	7	4	1		4	2	1	1	1	1	
13	32 to 34 years.....	20	18	2		8	6	6	9	4	3	
14	35 to 39 years.....	30	24	5	3	9	4	5	6	11	11	
15	40 to 44 years.....	11	21	1	5	2	7	3	6	5	3	
16	45 to 49 years.....	17	8	3		4	1	6	4	4	3	
17	50 to 54 years.....	13	12	1	2	3	6	5	1	4	3	
18	55 to 59 years.....	8	8	2	4	3	2	1	1	2	1	
19	60 to 64 years.....	9	17	2	4	4	5	1	3	2	5	
20	65 years and over.....	68	47	13	8	18	12	18	9	19	18	
21	Unknown age.....		3						3			
FORT WAYNE, IND.												
22	All ages.....	201	236	35	37	53	51	42	48	71	100	
23	Under 1 year.....	26	21	5	6	6	2	4	6	11	7	
24	Less than 1 day.....	2	3	1	1	1		1	1	1	1	
25	1 day.....	1	3		1				1		1	
26	2 days.....	2	1	1	1	1				1		
27	3 to 6 days.....	4						2		2		
28	1 week.....	2								2		
29	2 weeks.....		1				1					
30	3 weeks.....		1								1	
31	1 month.....	2	1	1						1	1	
32	2 months.....	2	4		2	1			1	1	1	
33	3 to 5 months.....	4	4	1	1	2	1		1	1	1	
34	6 to 8 months.....	6	3	2		2		1	2	1	1	
35	9 to 11 months.....	1		1								
36	1 year.....	4	5			3	2		1	1	2	
37	2 years.....	1	4		1					1	3	
38	3 years.....	2	3		1			1		1	2	
39	4 years.....	2	1	1					1	1		
40	5 to 9 years.....	4	7		2	2	1	1	1	1	3	
41	10 to 14 years.....	5	10		3	2	2	2	1	1	4	
42	15 to 17 years.....	7	3			3		1	1	3	2	
43	18 years.....	4	3	1		1		1	1	1	2	
44	19 years.....	2	1	1		1	1					
45	20 years.....	1	6	1	1				3		2	
46	21 years.....	1	5		1		1	1	1		2	
47	22 years.....		2						1		1	
48	23 years.....	2	6				1	1	1	1	4	
49	24 years.....											
50	25 years.....	2	2					1	1	1	1	
51	26 years.....	3	7				2			3	5	
52	27 years.....		7				1		3		3	
53	28 years.....	3	5				3			3	2	
54	29 years.....	6	5	2		2			1	2	4	
55	30 years.....	3	3		1	1		1		1	2	
56	31 years.....	3	2	1		2				1	2	
57	32 to 34 years.....	8	6	1	3	1	1	2		3	2	
58	35 to 39 years.....	15	14	4		1	3	2	5	8	6	
59	40 to 44 years.....	12	9			4	4	3		5	5	
60	45 to 49 years.....	11	10	3	3	2	2	4		2	5	
61	50 to 54 years.....	7	13	1	1	4	4	1	2	1	6	
62	55 to 59 years.....	9	11	2	1	3	3	3	5	1	2	
63	60 to 64 years.....	13	10	2	2	3		3	4	5	4	
64	65 years and over.....	45	55	10	11	12	18	10	9	13	17	
65	Unknown age.....											



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[See note at head of this table, pp. 34, 35.]

[illegible]

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
SOUTH BEND, IND.											
1	All ages.....	294	243	29	28	123	85	75	82	67	48
2	Under 1 year.....	44	29	9	5	13	10	7	7	15	7
3	Less than 1 day.....	4	1	1		1		1		1	1
4	1 day.....	2	2		1		1		1		1
5	2 days.....		1				1				
6	3 to 6 days.....	3	2	1					1	2	
7	1 week.....	3	2			2	1	1			1
8	2 weeks.....		1				1				
9	3 weeks.....	1	1						1	1	
10	1 month.....	7	2	2		2		1		2	1
11	2 months.....	4	2		1	2	1				
12	3 to 5 months.....	12	7	3	1	3	3	3	1	3	2
13	6 to 8 months.....	6	6		2	2	1		1	4	2
14	9 to 11 months.....	2	2	2		1			2	1	
15	1 year.....	17	11	2		5	3	8	5	2	3
16	2 years.....	2	5			2	2	3	2		1
17	3 years.....	6	6			3	2	2	2	1	2
18	4 years.....	2	4			1	2		2	1	
19	5 to 9 years.....	11	8	1		5	2		4	5	2
20	10 to 14 years.....	4	4		1	1		1	2	2	1
21	15 to 17 years.....	6	2			1		3	2	2	
22	18 years.....	7	3	2		4	2	2		1	1
23	19 years.....	6	2			2		2	1	2	1
24	20 years.....	2	5			1	1	1	3		1
25	21 years.....	3				3					
26	22 years.....	3	3			2	2		1	1	
27	23 years.....	3	5			1			2	2	3
28	24 years.....	4	7			3	4		2	1	1
29	25 years.....	2	5	1		1	2		2		1
30	26 years.....	6	8	2		2	5	1	3	1	
31	27 years.....	6	6			4	3		1	2	2
32	28 years.....	9	3	3		6	1	2	2	1	
33	29 years.....	5	5				1	2	2	3	2
34	30 years.....	13	7			7	4	5	2	1	1
35	31 years.....	6	7			3	1	2	3	1	3
36	32 to 34 years.....	17	16			9	8	7	7	1	1
37	35 to 39 years.....	22	21	1	3	11	10	10	4		4
38	40 to 44 years.....	14	7		1	7	2	4	2	3	2
39	45 to 49 years.....	16	5	1	2	7	2	3	1	5	
40	50 to 54 years.....	10	9	2	3	5	3	1	3	2	
41	55 to 59 years.....	7	9	1	3	1	4	1	2	4	
42	60 to 64 years.....	12	6	4	1	3		3	3	2	2
43	65 years and over.....	26	35	5	9	10	9	5	10	6	7
44	Unknown age.....										
TERRE HAUTE, IND.											
45	All ages.....	269	224	32	36	61	48	93	71	83	69
46	Under 1 year.....	27	14	5	6	9	5	9	1	4	2
47	Less than 1 day.....	2	1			1		1			1
48	1 day.....	1	1						1	1	
49	2 days.....	2						2			
50	3 to 6 days.....	5	1	1		2	1	1		1	
51	1 week.....		2		1		1				
52	2 weeks.....	1						1			
53	3 weeks.....	1		1							
54	1 month.....	2	2			2					
55	2 months.....	1	2	1		1	1				
56	3 to 5 months.....	4	3		1	3	2			1	
57	6 to 8 months.....	4	2		1			3		1	1
58	9 to 11 months.....	4		2		1		1			
59	1 year.....	8	7		1	3	1	3	4	2	1
60	2 years.....	6	2	2				3	2	1	
61	3 years.....	4	4			2		1	4	1	
62	4 years.....	7	2	1		1	1	3		2	1
63	5 to 9 years.....	9	5	1	1	2	2	3	2	3	
64	10 to 14 years.....	5	7		2	1			5	4	
65	15 to 17 years.....	8	5		1	1	1	4	2	3	1
66	18 years.....	2	3	1					1	1	2
67	19 years.....	1	2					1	1		1



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[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
183	123	2	1	91	54	50	44	40	24	7	17			3	5	2	7	2	5
17	11	1	1	6	4	3	3	7	3		1						1		
	1						1												
	1						1	1											
1	1																		
3		1		2															
7	1			1	1														
1	4			2				2	1								1		
4	3		1	1	3	3		3	2		1								
1	1						1	1											
12	6	1		3	1	7	4	1	1		1				1				
4	5			2	2	2	2		1		1				1				
5	3			3		1			1										
2	4			1	2		2	1								1			
7	5			3	1		4	4		1	1			1					
3				1		1		1		1	1						1	1	
4	1			1		1	1	2											
4	3			3	2					1									
6	1			2		2		2	1										
2	3			1	1	1	2				1						1		
3																			
3	3			2	2		1	1			3								
3	4			1			1				1								
3	6			2	4		1	1			1								
1	5			1	2		2		1										
4	6			2	4	1		2											
6	6			4	3		1	2	2										
8	3			6	1	1	2	1											
4	2					1	1	3	1		2				1		1		
11	7			6	4	4	2	1	1	1	1			1					
6	4			3		2	2	1	2										
15	10			8	7	6	3	1			5						3		
16	10			8	6	8	3		1	1	3			1		1		1	
12	2			6		3	1	3	1					1		1		2	
8	2			5	1	1	1	2											
5	2			4	2			1			2				1			1	
	2				2														
3	1			1		1	1	1											
6	6			3	1	3	2		3		1				1				
129	96	2	1	25	17	59	41	43	37	5	12		1	1		2	6	2	5
10	3	1	1	3	1	5		1	1		1		1						
1						1													
	1		1																
1				1															
2	1			2	1														
4	1					3		1	1		1		1						
2		1				1													
6	4			2		3	3	1	1										
2	2					1	2			1						1			
2	3			2			3												
				1		3		1											
5	3			2	1	1	2	2											
3	3						3	3											
7	3			1	1	3	1	3	1										
1	2						1	1											
1	1																		
1	1					1			1										

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
TERRE HAUTE, IND.—continued.											
1	20 years.	1	5	1	1	1	1	1	1	2	2
2	21 years.	2	4	2	1	1	1	2	2	2	2
3	22 years.	6	4	1	1	1	1	1	2	2	2
4	23 years.	2	2	1	1	1	1	1	1	1	1
5	24 years.	2	5	1	1	1	1	2	2	1	1
6	25 years.	8	3	1	1	1	1	1	1	4	1
7	26 years.	2	8	1	1	2	2	2	2	1	4
8	27 years.	3	3	1	1	1	1	2	2	1	1
9	28 years.	3	5	1	1	1	2	2	1	1	3
10	29 years.	3	5	1	1	2	2	3	3	1	1
11	30 years.	10	6	1	1	1	4	2	5	4	4
12	31 years.	5	5	1	1	2	3	1	1	2	2
13	32 to 34 years.	19	20	1	1	3	6	6	6	8	7
14	35 to 39 years.	18	14	1	1	6	3	5	5	8	8
15	40 to 44 years.	14	8	1	1	3	4	5	2	6	2
16	45 to 49 years.	13	12	1	4	1	2	5	3	6	3
17	50 to 54 years.	12	9	3	3	1	5	3	3	3	3
18	55 to 59 years.	14	10	4	2	3	3	6	2	1	3
19	60 to 64 years.	10	9	1	1	4	2	1	1	4	5
20	65 years and over.	45	36	9	10	15	9	11	10	10	7
21	Unknown age.										
ALL OTHER REGISTRATION CITIES, <sup>1</sup> INDIANA.											
22	All ages.	1,940	1,776	257	218	608	569	520	435	555	554
23	Under 1 year.	229	219	52	53	62	74	56	44	59	48
24	Less than 1 day.	29	27	8	6	8	4	6	7	7	10
25	1 day.	13	11	1	1	5	6	4	4	3	4
26	2 days.	8	4	2	1	3	2	2	1	1	1
27	3 to 6 days.	11	11	2	2	1	6	4	3	4	4
28	1 week.	16	14	3	4	4	1	5	3	4	6
29	2 weeks.	10	11	2	4	1	2	4	1	3	4
30	3 weeks.	7	4	2	1	1	1	1	1	3	1
31	1 month.	18	13	3	4	5	4	5	2	5	3
32	2 months.	14	14	4	6	5	3	2	1	3	4
33	3 to 5 months.	35	39	7	14	9	12	10	6	9	7
34	6 to 8 months.	35	36	12	7	9	16	6	8	8	5
35	9 to 11 months.	33	32	6	4	14	17	7	7	9	4
36	1 year.	82	83	14	7	35	35	17	22	16	19
37	2 years.	53	36	6	6	18	9	22	7	7	14
38	3 years.	28	28	3	3	10	10	9	10	6	5
39	4 years.	18	21	1	5	6	6	8	4	3	6
40	5 to 9 years.	73	72	12	6	23	21	20	25	18	20
41	10 to 14 years.	42	46	9	8	10	17	10	10	13	11
42	15 to 17 years.	40	22	6	3	11	5	4	7	19	7
43	18 years.	15	18	3	4	3	4	4	5	7	7
44	19 years.	14	16	1	1	2	9	7	2	4	4
45	20 years.	19	37	1	1	6	11	2	9	10	16
46	21 years.	23	30	2	1	8	8	9	9	4	12
47	22 years.	15	38	1	1	7	18	3	9	4	10
48	23 years.	25	38	1	2	9	12	10	14	5	10
49	24 years.	29	34	4	4	14	9	8	13	7	8
50	25 years.	32	42	2	4	11	10	10	14	9	14
51	26 years.	45	46	1	1	16	17	17	11	12	17
52	27 years.	56	54	3	3	21	15	17	10	15	26
53	28 years.	49	44	3	2	23	13	15	14	8	15
54	29 years.	38	36	1	1	15	13	10	9	12	14
55	30 years.	45	44	5	1	13	16	15	11	12	16
56	31 years.	28	31	1	1	13	9	5	11	10	10
57	32 to 34 years.	123	90	6	8	39	28	40	17	38	37
58	35 to 39 years.	167	93	12	7	66	34	39	24	50	28
59	40 to 44 years.	123	78	12	8	36	20	37	19	38	31
60	45 to 49 years.	74	49	13	5	25	19	20	11	16	14
61	50 to 54 years.	67	57	11	12	19	12	18	16	19	17
62	55 to 59 years.	58	49	8	7	13	14	17	8	20	20
63	60 to 64 years.	82	46	20	6	15	19	23	10	24	11
64	65 years and over.	244	278	52	49	57	83	47	59	88	87
65	Unknown age.	1	1			1		1	1	2	

<sup>1</sup> Includes Anderson, East Chicago, Elkhart, Elwood, Gary, Hammond, Huntington, Jeffersonville, Kokomo, Lafayette, Laporte, Logansport, Marion, Michigan City, Mishawaka, Muncie, New Albany, Peru, Richmond, and Vincennes.



## 45

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	
1	2				1	1			1		1						1			
2	4			2	1				2											
4	4					3	2	1												
1	1						1		1											
1	2						1		1											
7	3				1	3	1	4	1											
5	5				2				3											
2	3	1					2	1	1		1						1			
3	3				1	2		1	2											
3	5			1	2	2	3													
7	4					4	1	3	3	1	2						1	1	1	
5	3			1	1	3	1	1	1											
13	10				2	7	4	6	4	1	1			1			1			
12	10			5		2	4	5	6	1								1		
7	2			1	1	4	1	2			1								1	
7	3				1	3	2	3	1		1								1	
4	2			1	1	2	1	1	1		1						1			
5	2			1	1	3	1	1												
1	3					1					1							1		
	4			1	1	1	1	1	2	1	2					1	1	1		
1,048	876	32	23	384	320	313	236	319	297	58	121	9	7	21	41	15	33	13	40	
77	71	5	4	21	32	25	17	26	18	8	5	1	1	1	2	3	1	3	1	
2		1				1														
2		1				1														
3	2					1	1	2												
4	2					3	1													
2	1			1		1	1		1	1	1									
3	1					1	1	1								1				
2	4			1	1	1	1		1											
6	3	1	1	2	1	1	1	2	2	1								1		
12	17	1	1		8	5	2	4	6	1	1									
19	21	1		6	11	5	6	7	4	2	2	1	1		1	1	1	1		
22	20			8	11	6	5	8	4	3	1	1	1	1	1	1		1		
55	58	2	1	27	27	12	16	14	14	5	4	3		2	1		2		1	
43	22		2	17	6	20	5	6	9	1	1				1					
18	20	1	3	8	8	6	7	3	2		3				1			2		
10	12			3	5	5	4	2	3		1							1		
45	47	1		18	15	13	18	13	14	2	4		1		2	1	1	1		
21	26	1		9	10	5	8	6	8	1	3	1	1		1				1	
26	14			8	1	4		14	7											
11	9		1	2	2	3	1	6	5		3							1		
13	10			2	6	7	1	4	3		3				2		1			
12	25		1	4	10	2	6	6	8	2	5			1			1	1	3	
18	20	2		7	7	6	7	3	6	1	5			1	1		1		3	
9	25		1	5	14	3	6	1	4	1	4			1		2		1	4	
21	28	1		8	10	8	11	4	7		6			2		2		2		
21	22		2	12	7	3	8	6	5	2	4			1	1	1		2		
26	25	2	1	8	6	8	8	8	10	1	7		2		2	1	1		2	
34	35			13	13	11	9	10	13		4				3			1		
47	38	1	1	20	9	13	8	13	20	2	8		1		4	2		3		
40	32	1		20	12	13	8	6	12	2	5			2			4		1	
33	30			12	11	9	7	12	12	2	3			1	1	1	1		1	
37	36	2	1	13	15	13	5	9	15	1	3				1		1	1		
25	24		1	12	6	5	7	8	10		3				1		2			
103	60	1		31	22	37	12	34	26	3	9			2	3	1	1		5	
124	55	3		53	25	27	14	41	16	5	7	1		1	3	1	3	2	1	
70	39	2	2	24	11	19	10	25	16	4	5	1		1	2	2			3	
34	19	1		10	9	14	4	9	6	4	3	1		2	1			1		
18	22		1	7	7	4	5	7	9	2	3			1			2	1		
10	8			1	2	3	2	6	4		2						1			
13	5			2	2	5	1	6	2	2	2			1	1		1	1		
33	39	6	1	7	10	9	15	11	13	8	6	1	1	4	3	1	1	2		
1						1														

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 1. <sup>1</sup>											
1	All ages.....	298	299	38	32	126	124	60	54	74	89
2	Under 1 year.....	30	24	1	4	11	8	8	5	10	7
3	Less than 1 day.....	12	3			5	1	3	1	4	1
4	1 day.....	4	3	1	2	2	1			1	
5	2 days.....	1	1				1	1			
6	3 to 6 days.....	2	3					1	2	1	1
7	1 week.....										
8	2 weeks.....		1				1				
9	3 weeks.....									1	
10	1 month.....	1	4				2	1			2
11	2 months.....										
12	3 to 5 months.....	1	3		1		1			1	1
13	6 to 8 months.....	6	4		1	2		2	2	2	1
14	9 to 11 months.....	2	2			2	1				1
15	1 year.....	11	8	1	2	7	3		1	3	2
16	2 years.....	6	3	2	1	2	1	1			
17	3 years.....	2	3	1			2	1		1	
18	4 years.....	3	4		1	3	1				2
19	5 to 9 years.....	4	8	1		1	7			2	1
20	10 to 14 years.....	4	13			3	5		4	1	4
21	15 to 17 years.....	10	6	1		3	5			1	1
22	18 years.....	7	3			2	1	2	1	3	1
23	19 years.....	9	2			5		1	1	3	1
24	20 years.....	9	6			8	6	1			
25	21 years.....	3	3				1	1			2
26	22 years.....	5	9		1	3	5	2		2	2
27	23 years.....	2	12			1	7		1		4
28	24 years.....	6	5			2	4	3	1	1	
29	25 years.....	3	5	1	1	1	3		1	1	
30	26 years.....	6	6			3	5	2	1	1	
31	27 years.....	7	13	2	1	2	5	1	4	2	3
32	28 years.....	3	4			2	1		1	1	2
33	29 years.....	4	2			2		1	1	1	
34	30 years.....	4	10			1	4	1	3	2	3
35	31 years.....	3	4		2	1	2			2	
36	32 to 34 years.....	24	17	1	1	10	8	7	3	6	5
37	35 to 39 years.....	16	18			6	6	4	3	5	9
38	40 to 44 years.....	10	9	1		6	6	1		2	3
39	45 to 49 years.....	8	10	3	1	2	4	1	1	2	4
40	50 to 54 years.....	5	10	1	2	2	4		1	2	3
41	55 to 59 years.....	8	9	1	3	4		2	2	1	4
42	60 to 64 years.....	17	9	4		7	5	4	2	2	2
43	65 years and over.....	69	64	16	12	26	15	11	15	16	22
44	Unknown age.....										
INDIANA, RURAL, GROUP 2. <sup>2</sup>											
45	All ages.....	339	307	65	34	110	109	68	77	96	87
46	Under 1 year.....	31	21	7	3	7	10	6	7	11	1
47	Less than 1 day.....	3	3					1		2	
48	1 day.....	2	2	1	1	1			1		
49	2 days.....	2	1		1			1		1	
50	3 to 6 days.....	1	3			1	2				1
51	1 week.....	2						1		1	
52	2 weeks.....	2	1				1	1		1	
53	3 weeks.....	3				1		1		1	
54	1 month.....	2	1			1			1	1	
55	2 months.....	4	1	2		1	1			1	
56	3 to 5 months.....	4	7	1	1	1	5	1	1	1	
57	6 to 8 months.....	3	1	1					1	2	
58	9 to 11 months.....	3	1	2		1	1				
59	1 year.....	11	13	2	1	6	5	1	5	2	2
60	2 years.....	7	2	4	1	2	1			1	
61	3 years.....	6	3	1		3		2			3
62	4 years.....	2	2				1		1	2	
63	5 to 9 years.....	8	9	1		4	2	1	3	2	4
64	10 to 14 years.....	8	9	2		3	3	1	2	2	4
65	15 to 17 years.....	10	7	1		6	1	1	3	2	3
66	18 years.....	5	7			1	4			4	3
67	19 years.....	5	4			1	1	3		1	3

<sup>1</sup> Includes the following counties: Benton, Jasper, Newton, Porter, Pulaski, Warren, and White.



## 47

[See note at head of this table, pp. 34, 35.]

<sup>2</sup> Includes the following counties: Fulton, Kosciusko, Marshall, Starke, and Wabash.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 2 <sup>1</sup> —continued.											
1	20 years.....	8	2			1		4	2	3	
2	21 years.....	5	2			4	1	1			1
3	22 years.....	4	5			4			2		3
4	23 years.....	4	5			1	1		2	3	2
5	24 years.....	4	5			2	1		4	2	
6	25 years.....	4	5			2	3	1		1	2
7	26 years.....	7	6			3	3	1		3	
8	27 years.....	4	5			3	3		2	1	
9	28 years.....	4	1			4					1
10	29 years.....	3	2			2	1	1			1
11	30 years.....	6	12			2	4	4	5		3
12	31 years.....	5	3			1	3	1		3	
13	32 to 34 years.....	12	9	1		4	3	2	1	5	5
14	35 to 39 years.....	22	23	2		8	13	7	4	5	6
15	40 to 44 years.....	9	7		2	4	3	1	1	4	1
16	45 to 49 years.....	5	10	2	2	2	4	1	2		2
17	50 to 54 years.....	11	16	3	1	1	7	4	3	3	5
18	55 to 59 years.....	15	11	5	4	2	3	5	2	3	2
19	60 to 64 years.....	23	5	4	2	7	2	6		6	1
20	65 years and over.....	91	96	30	18	20	26	14	23	27	29
21	Unknown age.....										
INDIANA, RURAL, GROUP 3. <sup>2</sup>											
22	All ages.....	280	235	43	35	103	85	54	45	80	70
23	Under 1 year.....	19	20	9	4	6	5	3	4	1	7
24	Less than 1 day.....	4	5	2	1	2	1		1		2
25	1 day.....	2	1	2							1
26	2 days.....	2	1	1	1			1			
27	3 to 6 days.....	2	2			1			1	1	1
28	1 week.....	1	1	1					1		
29	2 weeks.....	1		1							
30	3 weeks.....	1	1				1	1			
31	1 month.....		1								1
32	2 months.....				1	3	1	1	1		
33	3 to 5 months.....	4	3								
34	6 to 8 months.....	1	4	1	1		2				1
35	9 to 11 months.....	1	1	1							1
36	1 year.....	9	4		3	4	1	1		4	
37	2 years.....	4	5	1		1	1		1	2	3
38	3 years.....	3	2				1			2	1
39	4 years.....	4	4		1	1	1	2	1	1	1
40	5 to 9 years.....	9	3	2		2	3	2		3	
41	10 to 14 years.....	9	9		1	7	4	1	2	1	2
42	15 to 17 years.....	10	7			6	2	1	4	3	1
43	18 years.....	1	3			1	2				1
44	19 years.....	5	1			3	1			2	
45	20 years.....	4	3			4	1				2
46	21 years.....	4	2			1	1	1	1	2	1
47	22 years.....	1	5			1	1	1			
48	23 years.....	1	5				3		1	1	1
49	24 years.....	5	1	1		2		1	1	1	
50	25 years.....	2	1			1				1	1
51	26 years.....	2	5			2	2				3
52	27 years.....	5	6		1	2	3	1		2	2
53	28 years.....	6	2			3	1	2		1	1
54	29 years.....	5	3			3	1	1	1	1	1
55	30 years.....	4	4		1	3	2			1	1
56	31 years.....	3	4			1	1	2	1		2
57	32 to 34 years.....	9	9	1	1	2	5	1	1	5	2
58	35 to 39 years.....	18	6			9	3	5		4	3
59	40 to 44 years.....	8	7	2	2	4	1	1		1	4
60	45 to 49 years.....	11	9	2	2	4	3		2	2	2
61	50 to 54 years.....	2	11	1	3	1	5	3	2	2	3
62	55 to 59 years.....	4	9	1		2	5			1	1
63	60 to 64 years.....	25	18	5	2	7	6	3	6	10	4
64	65 years and over.....	87	69	17	14	20	20	22	15	28	20
65	Unknown age.....										

<sup>1</sup> See note 2 on preceding page.



## 49

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
8				1		4		3											
5	2			4	1	1		1	2										
4	3			4			1				2						1		1
4	3			1	1		1	3	1										
3	3			1	1		2	2			1						1		
4	4			2	3	1		1	1										1
5	5			2	2			3	3										
4	4			3	2			2	1					1					
3				3															
3	1			2	1	1													
6	12			2	4	4	5	3											
5	2			1	2	1		3	5										
10	4			4	1	1		2	2						1				
18	16			8	9	5	3	5	4						1			2	
6	2			2	1			1		1				1					
1	2			1	1			1									1		
1	4	1			2		1										1		
1	1					1		1										1	
4	1			3	1			1											
4	6			3	2		3	1									1		
109	87	3	1	56	40	19	15	31	31	13	13	1	1	3	3	4	3	5	6
2	3	1		1	2				1										
	1																		
1	1	1		1	1														
7	1			3	1	1		3	3										
2	4			1	1			1	3										
2	1							2	1										
2	2				1	1		1	1	1	1					1	1		
4	3			1	3	1		2											
7	6			7	2			2	2										
1	7			5	2			4	1										
1	1			1	1										1			1	
4	1			3	1				1										
3	3																		
4	3			3	1		1	1	2										
1	2				1	1	1		1										
	4				3														
3	1			1		1	1	1	1										
2	1			1	1				1										
1	3				1				2										
3	5			2	3				1										
3	1			2	1	1	1	1											
4	2			1															
4	3			3	2			1	1										
2	3			1	1	1	1		2										
6	3			2					2										
16	5			8	2	4		4	3										
4	1			3	1	1			1									1	
1	4				2		1		1									1	
1	2			1	2														
2	1								1										
2	4	2	1	2	2	4	2	2	1	1	1	1	1	1	1	2	1	2	
12	7																		

<sup>2</sup> Includes the following counties: Dekalb, Lagrange, Noble, Steuben, and Whitley.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER  
[See note at head of this table, pp. 31, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 4. <sup>1</sup>											
1	All ages.....	346	350	56	49	90	99	101	112	99	90
2	Under 1 year.....	36	36	9	5	11	7	9	13	7	11
3	Less than 1 day.....	9	3	3		2	2	3		1	1
4	1 day.....	1	2		1				1	1	
5	2 days.....	1	1					1			1
6	3 to 6 days.....	5	2	2		2		1	2		
7	1 week.....	1	3					1	1		2
8	2 weeks.....	2	1			1		1			1
9	3 weeks.....		1				1				
10	1 month.....	1	1	1							1
11	2 months.....	1	3		1				2	1	
12	3 to 5 months.....	4	6	1	1	3	1		2		2
13	6 to 8 months.....	4	8		1	1	3		2	3	2
14	9 to 11 months.....	7	5	2	1	2		2	3	1	1
15	1 year.....	13	10	1	3	5	2	4	4	3	1
16	2 years.....	8	14		1	4	4	2	6	2	3
17	3 years.....	4	8	2			3		4	2	1
18	4 years.....	5	3			1		1	1	3	2
19	5 to 9 years.....	11	16	1	4	2	5	5	5	3	2
20	10 to 14 years.....	9	11	1	1	2	4	3	2	3	4
21	15 to 17 years.....	11	14		1	4	5	3	5	4	3
22	18 years.....	8	3			3	2	5	1		
23	19 years.....	1	5			1			4		1
24	20 years.....	2	1			1			1	1	
25	21 years.....	3	4			2	3	1			1
26	22 years.....	3	5	1				2	2		3
27	23 years.....	4	3			1	1		3	2	2
28	24 years.....	7	7			4	2	1	3	2	2
29	25 years.....	4	8	1		1	3	2	1		4
30	26 years.....	5	4			1	1	2	1	2	2
31	27 years.....	3	7		1		3	2	3	1	
32	28 years.....	4	5			1	2	1	1	2	2
33	29 years.....	4	5			2	1	1	4	1	
34	30 years.....	4	8	1			4	2	4	1	
35	31 years.....	8	3		1	2		4	1	2	1
36	32 to 34 years.....	19	24	1	1	8	5	8	11	2	7
37	35 to 39 years.....	16	18		2	5	6	7	4	4	6
38	40 to 44 years.....	11	14	3	3	1	6	2	2	5	3
39	45 to 49 years.....	15	12	1	1	5	1	3	4	6	6
40	50 to 54 years.....	11	12	3	1	2	5	2	4	4	2
41	55 to 59 years.....	18	10	4	4	4	2	3	4	7	
42	60 to 64 years.....	21	11	3	2	3	3	5	4	10	2
43	65 years and over.....	78	69	24	18	14	19	21	13	19	19
44	Unknown age.....										
INDIANA, RURAL, GROUP 5. <sup>2</sup>											
45	All ages.....	362	338	50	48	120	131	90	84	102	75
46	Under 1 year.....	44	20	14	6	14	8	6	4	10	2
47	Less than 1 day.....	5	5	2	3	2			1	1	1
48	1 day.....	4		2						2	
49	2 days.....	3	2		1	2		1	1		
50	3 to 6 days.....	2		2							
51	1 week.....	3		1		2					
52	2 weeks.....	4		2						2	
53	3 weeks.....										
54	1 month.....	2	4	1	1	1	2		1		
55	2 months.....	3		2		1					
56	3 to 5 months.....	7	1			2	1	1		2	
57	6 to 8 months.....	6	2			2	2	2		2	
58	9 to 11 months.....	5	6		1	2	3	2	1	1	1
59	1 year.....	17	11	1	2	5	4	6	2	5	3
60	2 years.....	6	10	1	1	1	3	2	4	2	2
61	3 years.....	3	3			2	1	1	1		1
62	4 years.....		2						2		
63	5 to 9 years.....	11	9			7	4		2	4	3
64	10 to 14 years.....	12	17		1	6	7	3	3	3	6
65	15 to 17 years.....	13	8			3	5	4	3	6	
66	18 years.....	8	4		1	5	2	1		2	1
67	19 years.....	5	7	1	2	2	3		1	2	1

<sup>1</sup> Includes the following counties: Fountain, Montgomery, Parke, and Vermilion.



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[See note at head of this table, pp. 34, 35.]

<sup>2</sup> Includes the following counties: Boone, Carroll, Clinton, Hamilton, and Tipton.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 5 <sup>1</sup> —continued.											
1	20 years.	2	4			2	1	2		1	
2	21 years.	1	6			2	5	1		2	
3	22 years.	1	5					1			1
4	23 years.	2	6			1	4	1		1	1
5	24 years.	9	10		1	4	6	2	2	3	1
6	25 years.	4	9			3	2		5	1	2
7	26 years.	2	3				2	1		1	1
8	27 years.	11	3	1		4	2	2		4	1
9	28 years.	3	10			1	5		2	2	3
10	29 years.	11	4			6	2	2		3	2
11	30 years.	6	3			2	3	3		1	
12	31 years.	6	5			4	3	1		1	3
13	32 to 34 years.	16	22	1	1	6	7	6		3	7
14	35 to 39 years.	25	22	1	2	9	9	10	4	5	7
15	40 to 44 years.	7	8	1		1	4	3	2	2	2
16	45 to 49 years.	12	7	4	1			2	4	1	2
17	50 to 54 years.	18	9	2	2	5		4	4	8	3
18	55 to 59 years.	11	11	2	3	4	2	2	2	4	2
19	60 to 64 years.	13	15	4	4	3	5	3	2	3	4
20	65 years and over.	79	85	17	21	17	26	23	24	22	14
21	Unknown age.	1								1	
INDIANA, RURAL, GROUP 6. <sup>2</sup>											
22	All ages.	270	273	55	47	64	64	54	54	97	108
23	Under 1 year.	29	23	7	8	8	7	5	6	9	2
24	Less than 1 day.	6	6		2	2		3	3	1	1
25	1 day.	2	1	1				1			1
26	2 days.	1	1				1				
27	3 to 6 days.	1	2		1				1	1	
28	1 week.	1	2								
29	2 weeks.	1	2		1	1			1		
30	3 weeks.	3	2	1	2	1				1	
31	1 month.										
32	2 months.	1		1							
33	3 to 5 months.	5	1	2		1	1			2	
34	6 to 8 months.	5	4	1		2	3		1	2	
35	9 to 11 months.	5	2	1	2			1		2	
36	1 year.	5	9	2	1	1	2	1	1	1	5
37	2 years.	11	8	4	3	2	1		2	5	2
38	3 years.	2	5			2	1				4
39	4 years.	5	5	1	1	1		1	1	2	3
40	5 to 9 years.	6	5	2			1	2	2	2	2
41	10 to 14 years.	8	5	1	1	1	1		1	6	2
42	15 to 17 years.	14	8	3	2	1	2	3	1	7	3
43	18 years.	5	2	1				1		3	2
44	19 years.	1	5						2	1	3
45	20 years.	5	5				1	2		3	4
46	21 years.	5	3			1	1	2	1	2	1
47	22 years.	1	2						1	1	1
48	23 years.	4	2			1			1	3	1
49	24 years.	1	2				2			1	
50	25 years.	4	3	1	1			2	2	1	
51	26 years.	4	6			1	1			3	5
52	27 years.	5	6			1			1	4	5
53	28 years.	2	3			1	1			1	2
54	29 years.	2	1							2	1
55	30 years.	2	4				1		2	2	1
56	31 years.	3	2			2				1	2
57	32 to 34 years.	8	13	1		1	1	2	4	4	8
58	35 to 39 years.	14	16		4	4	3	4	2	6	7
59	40 to 44 years.	6	12	1	4	1	2	2	1	2	5
60	45 to 49 years.	10	5	2	1	1		2	2	5	2
61	50 to 54 years.	12	15	2	3	5	6	3		2	6
62	55 to 59 years.	5	15		2	1	6	3	2	1	5
63	60 to 64 years.	15	5	3		5	2	5	1	2	2
64	65 years and over.	75	78	23	16	23	22	14	18	15	22
65	Unknown age.	1		1							

See note 2 on preceding page.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
2	3				1	1	2	1											1
4	4			2	3		1	2			1				1				2
	3				1				1		1				1				3
2	3				2	1	1		1		3				2		1		4
6	8	1		3	6	1	1	2			1			1		1		1	5
4	5				1			1	1		4				1				6
2	2			3	1		3	1	1		1			1		2		1	7
10	2				2	1		4	1		1								8
2	10			4	1	2		2	3		1								9
10	2			5	2	2		3		1	1			1				1	10
6	3			2	3	3		1											11
5	2			3				1	2	1	1			1	1				12
12	18				7	5		2	5	1	3			1				2	13
22	15	1		5	6	9	3	4	6	2	2			1	2			1	14
4	4			1	1	1	1	2	2		1				1				15
4	1			4					1	1	1		1					1	16
5				1		1		3		1	1							1	17
	2													1					18
	1								1										19
8	10	1		2	4	2	3	3	3	2	2		1				2	1	20
																			21
96	80	2	3	16	16	18	14	60	47	7	28		1	2	6	1	3	4	18
4	2			1	1		1	3		2	1					1	2		23
																			24
																			25
	1						1									1			26
	1				1						1								27
																			28
																			29
																			30
																			31
																			32
1								1		1								1	33
1				1						1								1	34
2								2											35
1	5				1		1	1	3		1								36
5	1							5	1										37
	3				1				2		1								38
2	3					1		1	3										39
4	4				1	2	2	2	1		1							1	40
5	1						1	5			1			1					41
11	5			1	2	3	1	7	2		2		1					1	42
4	2					1		3	2										43
1	1						1	1			3					1		2	44
2	4				1			2	3										45
1	1			1	1	2	1	1			1							1	46
3	1							1	1										47
1	1							3	1		1					1			48
					1			1											49
3	1	1				1	1	1											50
4	4				1			3	4										51
3	3				1		1	2	2		2							2	52
2	3				1	1		1	2										53
1	1							1	1	1							1		54
2	1						1	2			1							1	55
3	1			2				1	1										56
6	7			1	1	2	1	3	4	1	3						1	3	57
11	7		1	4	1	2	1	5	4	1	3			1	1			2	58
3	3		1			2		1	2		2			1				1	59
3	2					1		2	2						1				60
				1	1			1	1					1	1				61
	1								1	1	2							1	62
1				1	1		1							1	1				63
4	7	1	1	1	2	1		1	4	1	2			1	1			1	64
																			65

\* Includes the following counties: Adams, Blackford, Jay, Randolph, and Wells.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 7. <sup>1</sup>											
1	All ages.....	323	322	37	44	97	92	94	86	95	100
2	Under 1 year.....	34	25	4	4	11	5	8	7	11	9
3	Less than 1 day.....	8	5	1	1	3	2	1	1	3	1
4	1 day.....	1	1					1			1
5	2 days.....	2	1			2			1		
6	3 to 6 days.....	4	2	1		1		1		1	2
7	1 week.....		1						1		
8	2 weeks.....	2								1	
9	3 weeks.....	2				1					
10	1 month.....	1				1		1			
11	2 months.....										
12	3 to 5 months.....	3	7					1	3	1	3
13	6 to 8 months.....	5	6		3	1	2	1		3	1
14	9 to 11 months.....	6	2	2		1		1	1	2	1
15	1 year.....	13	8	3	2	5	3	2	1	3	2
16	2 years.....	8	8	1		4	3	3	2		3
17	3 years.....	3	4			1	2	2	2		
18	4 years.....	2	4		1		1	1	1	1	1
19	5 to 9 years.....	6	8	2	1		3	2	2	2	2
20	10 to 14 years.....	20	6			12	1	7	4	1	1
21	15 to 17 years.....	14	12	1	1	7	5	1	3	5	3
22	18 years.....	1	3	1			1		1	1	1
23	19 years.....	4	3			1	1	2	1	1	1
24	20 years.....	5	3			2		1	2	2	1
25	21 years.....	8	5				3	5	2	3	
26	22 years.....	5	5	1		2		1	3	1	
27	23 years.....	1	6				2		1	1	3
28	24 years.....	3	2			1		1	1	1	1
29	25 years.....	5	5			2	3	1	1	2	1
30	26 years.....	1	3				1			1	2
31	27 years.....	9	4	1		3	1	1	3	4	
32	28 years.....	1	8		1		2		2	1	3
33	29 years.....	5	5			2	2	3			3
34	30 years.....	5	3			1		3	1	1	2
35	31 years.....	3	9		1		3	2	3	1	2
36	32 to 34 years.....	18	18	1	1	5	7	4	4	8	6
37	35 to 39 years.....	22	20	2	7	7	6	8	6	7	6
38	40 to 44 years.....	15	15	1	3	5	2	3	6	6	4
39	45 to 49 years.....	7	14		3	3	1	1	3	3	7
40	50 to 54 years.....	8	8	3	2	1	2	2	4	2	
41	55 to 59 years.....	5	4	1		1	2	2	2	1	
42	60 to 64 years.....	12	17	3	6	1	5	5	3	3	3
43	65 years and over.....	80	87	14	16	20	23	23	15	23	33
44	Unknown age.....										
INDIANA, RURAL, GROUP 8. <sup>2</sup>											
45	All ages.....	350	350	58	70	107	106	84	80	101	94
46	Under 1 year.....	35	32	6	10	7	5	7	7	15	10
47	Less than 1 day.....	5	5		1	1			2	4	2
48	1 day.....	1	2		1	1					1
49	2 days.....	6	2	1	1			3		2	1
50	3 to 6 days.....		1								1
51	1 week.....		3		1				1		1
52	2 weeks.....		1						1		
53	3 weeks.....		2		1		1				
54	1 month.....	1	2		1			1			1
55	2 months.....	5	2			3				2	
56	3 to 5 months.....	9	6	2	1	1	3	1	1	5	1
57	6 to 8 months.....	5	3	3		1	1	1	1		
58	9 to 11 months.....	3	3		3			1	2	2	
59	1 year.....	13	12	2	3	7	6	2	2	2	1
60	2 years.....	5	8	1	1	1	3	2	3	1	1
61	3 years.....	2	6				1			2	5
62	4 years.....	4	3	1		1			1	2	2
63	5 to 9 years.....	7	6	1	1	3	2	2	2	1	1
64	10 to 14 years.....	11	13	1	1	3	5	3	3	4	4
65	15 to 17 years.....	12	9			3	6	5	1	4	2
66	18 years.....	5	8	1	1	2	5	1	1	1	1
67	19 years.....	1	4				1		1	1	2

<sup>1</sup> Includes the following counties: Clay, Hendricks, Morgan, Owen, and Putnam.



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[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
157	156	3	3	54	48	52	51	48	54	13	14			3	4	5	4	5	6
10	6	1		2	2	2	2	5	2	3	1			1		1	1	1	
1				1															
2	2				1		1		1		1						1		
4	2			1	1		1		3		1		1			1	1		
3	2	1				1	1		1		2			1				1	
7	4			4	3	1	1		2				1						1
5	8			3	3	2	2		3		1					1			
3	3			1	1	2	2												
1	3				1	1	1		1										
4	6		1		2	2	1	2	2										
20				12	1	4	2	1	1										
12	10			7	4	1	3	4	3										
1	3	1			1		1		1										
3				1		2					1								1
5	3			2		1	2	2	1										
6	4				2	4	2	2	2							1			
3	3			1	1	1	2			1					1				
1	6				2		1		1										
3	2			1		1	1	1	1		3								
											1								
5	5			2	3	1	1	2	1										
1	3				1			1											
6	3			2	1	1	2	3	2								1		
1	7				2	2	2		1										
5	3			2	2	3			3		1								1
3	3			1		2	1		2										
2	7				2		3		2		1								
13	12			4	5	3	3	6	4		2			1	1			1	
14	11			3	3	5	3	6	5		2				1		1		2
6	7			2		2	4	2	3		3			1		1	1	1	
2	6								4										
4	3		1	1		2	2	1							1				
	1																		
3	3			1	1	1	1	1	1		1								
8	17	1	1	2	5	3	3	2	8	1	1					1			1
														</					

<sup>2</sup> Includes the following counties: Hancock, Henry, Johnson, Rush, and Shelby.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 8 <sup>1</sup> —continued.											
1	20 years.....	3	3			2	1		1	1	1
2	21 years.....	5	2	1		2	1	1	1	1	
3	22 years.....	2	3			1	1			1	2
4	23 years.....	1	3						1	1	2
5	24 years.....	5	7				3	4	1	1	3
6	25 years.....	7	6			4	2	1	3	2	1
7	26 years.....	4	4			1	1	1	3	2	
8	27 years.....	2	5	1		1	2				3
9	28 years.....	6	7			4	4		1	2	2
10	29 years.....	3	8		1	1	3		2	2	2
11	30 years.....	5	5		1	2	2	2	1	1	1
12	31 years.....	3	1			1	1	2			
13	32 to 34 years.....	18	12	4		5	4	4	2	5	6
14	35 to 39 years.....	20	22	2	3	7	9	4	4	7	6
15	40 to 44 years.....	13	12	1	2	6	4	4	2	2	4
16	45 to 49 years.....	13	13		2	5	6	3	2	5	3
17	50 to 54 years.....	13	17	3	4	2	6	6	3	2	4
18	55 to 59 years.....	13	11	3	8	3	1	6	1	1	1
19	60 to 64 years.....	18	15	2	6	6	1	5	6	5	2
20	65 years and over.....	101	93	28	26	27	20	19	25	27	22
21	Unknown age.....										
INDIANA, RURAL, GROUP 9. <sup>2</sup>											
22	All ages.....	341	335	46	56	80	72	126	125	89	82
23	Under 1 year.....	48	44	13	13	16	12	10	11	9	8
24	Less than 1 day.....	6	5	2	1	2	2		1	2	1
25	1 day.....	1									
26	2 days.....	2	2			1	1		1		
27	3 to 6 days.....	3	4	1				2	1		3
28	1 week.....	3		1		2					
29	2 weeks.....		4		1		2		1		
30	3 weeks.....	1									
31	1 month.....	3	2		2		1			1	
32	2 months.....	4	1	1		2				1	
33	3 to 5 months.....	7	8	2	3	5	2	1		1	
34	6 to 8 months.....	13	6	3	3	3			2		1
35	9 to 11 months.....	5	11	2	2		4	5	1	2	1
36	1 year.....	12	23	2	8	4	5	3	7	3	3
37	2 years.....	10	10		3	1	1	6	5	3	1
38	3 years.....	7	1			3		3	1	1	
39	4 years.....	7	10					3	8	4	2
40	5 to 9 years.....	17	14			5	4	7	5		5
41	10 to 14 years.....	12	12	1	1	1	2	6	6	4	5
42	15 to 17 years.....	11	9	2		3	3	3	4	3	2
43	18 years.....	4	2			1		3	1		1
44	19 years.....	6	3	2		1	1	3	1		1
45	20 years.....	2	4			1	1		2	1	1
46	21 years.....	3	5			2	1	1	4		
47	22 years.....	1	3				2		1		
48	23 years.....	5	2			1		1		3	2
49	24 years.....	5	5			3		1	2	1	3
50	25 years.....	3	6		1		1	2	2	1	2
51	26 years.....	4	10			2	4		5	2	1
52	27 years.....	4	7		1		1	3		1	2
53	28 years.....	5	4				1	4	3	1	3
54	29 years.....	4	7			1	1	2	5	1	1
55	30 years.....	9	9			3	3	4	4	2	
56	31 years.....	5	3			1	1	2	2		2
57	32 to 34 years.....	18	12			1	4	9	7	8	
58	35 to 39 years.....	16	18	1	3			12	5	3	10
59	40 to 44 years.....	22	12	2	1	5	2	10	7	5	2
60	45 to 49 years.....	14	13	1	3	4	1	9	5		4
61	50 to 54 years.....	8	7		1	3	2	1	2	4	2
62	55 to 59 years.....	12	6	3	1	3	2	2	2	4	1
63	60 to 64 years.....	12	11	3	3	3	2	4	1	2	5
64	65 years and over.....	53	63	16	17	10	15	11	17	16	14
65	Unknown age.....	2				2					

<sup>1</sup> See note 2 on preceding page.



# MORTALITY FROM INFLUENZA AND PNEUMONIA.

57

(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
3	3			2	1		1	1	1										
3	1			1			1	1			1			1					
2	1			1				1	1									1	
1	3						1	1	2										
4	3						3	1	2		3			2				1	
2	4			1	2	1	1		1	2	1					1	2		
4	3			1	1	1	2	2											
1	4			1	2			2	2										
6	5			4	2		1	2	2										
3	6			1	3		1	2	2		1					1			
3	3			2	1		1	1	1										
2	1			1			1												
13	11			5	4		4	4	5										
16	9			7	4		3	1	6	1	3			1				1	2
3	8			2	2		1	2	4	2	1			1	1			1	
2	4				3		1		1	1			1						
1	6				4			1	2		1				1				
1	1						1				1								
2	1			1				1	1	1				1					
6	14	1	1	2	2	2	6	1	5	2	1			1	1	1		1	
165	146	2	2	27	26	85	78	51	40	15	22		2	5	5	6	8	4	7
12	10	1		4	3	2	5	5	2	2	3		1	1		1			2
	1						1												
1								1		1				1					
4		1		3							2		1	1					
4	1			1		1		2	1	1	1					1		1	
2	8				3	1	4	1	1							1			
4	13			1	3	1	7	2	3	2	2		1	1	1	1			
8	6		1			5	4	1	1										
6	1			2		3	5	3	1	1	1					1	1		
6	6				3	3	5	3	1	1	1								
14	12			4	2	6	5	4	5										
9	7				1	5	5	4	1	1					1				
7	6			2	1	2	3	3	2		1								
4	1			1		3	1												
4	2	1			1	3			1										
2	4			1	1			2	1										
3	3			2		1	3				2				1		1		
	1				1						1					1			
3	1							2		2				1				1	
3	2			2		1	1	1	1		3					1		2	
3																			
3	4		1			2	1	1	2						1				
4	8			2	3		5	1	1	1	1						1		
4	6				1	3		1	2										
5	2					4		1	2										
4	5			1		2	4	1	1										
7	7				2	4	4	2	1										
4	3			1	1	2	2	2											
15	6					9	5	6	1	1	2				1		1	1	
13	9					12	3	1	6		3						1		2
9	5			1	1	6	3	2	1		1					1			
4	4					4	3		1	2				1		1			
3	3			1		1	1	2	2	1				1					
											1							1	
1	1							1		2						2			
	8				4		2		2		1					1			
1				1															

\* Includes the following counties: Daviess, Greene, Martin, and Sullivan.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 10. <sup>1</sup>											
1	All ages.....	395	392	63	62	96	85	104	115	132	130
2	Under 1 year.....	48	33	10	7	12	10	11	5	15	11
3	Less than 1 day.....	7	3	2	1	4	1			1	1
4	1 day.....	1	1	1	1						
5	2 days.....	2	1								1
6	3 to 6 days.....	2	1			1				1	
7	1 week.....	5	3	1		2		1	1	1	2
8	2 weeks.....	3	1		1					3	
9	3 weeks.....	2									
10	1 month.....	3	3	1	2	1		1		1	1
11	2 months.....	2									
12	3 to 5 months.....	12	6	3	1		5	5		4	
13	6 to 8 months.....	7	10	1		3	3	1	3	2	4
14	9 to 11 months.....	4	4	1	1		1	2		1	2
15	1 year.....	11	12	2	2	3	1	1	6	5	3
16	2 years.....	9	13		4		3	3	3	6	3
17	3 years.....	4	7				1	2	3	2	3
18	4 years.....	1	4							1	4
19	5 to 9 years.....	9	14	3		1	2	3	6	2	6
20	10 to 14 years.....	15	21	2	2	4	6	6	5	3	8
21	15 to 17 years.....	14	13		1	2	3	7	6	5	3
22	18 years.....	8		1	1	1		2	2	4	1
23	19 years.....	9	7			2		3	3	4	4
24	20 years.....	7	3	1		1	1	3	1	2	1
25	21 years.....	4	1			2		1	1	1	
26	22 years.....	2	5		1	1	2	1	1		1
27	23 years.....	2	2		1		1			2	
28	24 years.....	1	7		1		2	1	1		3
29	25 years.....	3	6			1			1	2	5
30	26 years.....	3	5	1			3	1	1	1	1
31	27 years.....	5	7			1	2	2	2	2	3
32	28 years.....	6	7			1	3	2	1	3	3
33	29 years.....	8	3			2		3	1	3	2
34	30 years.....	4	4		1	1	1	2	1	1	1
35	31 years.....	2	6						2	2	4
36	32 to 34 years.....	12	21		3	3	3	5	9	4	6
37	35 to 39 years.....	22	30	2	3	3	4	8	8	9	15
38	40 to 44 years.....	20	13	2	3	2	2	7	6	9	2
39	45 to 49 years.....	17	9	5		7	5	1		4	4
40	50 to 54 years.....	9	16	2	2		3	3	5	4	6
41	55 to 59 years.....	16	12	2	5	7	1	2	3	5	3
42	60 to 64 years.....	18	12	1	2	8	2	3	5	6	3
43	65 years and over.....	106	95	29	23	31	24	21	27	25	21
44	Unknown age.....										
INDIANA, RURAL, GROUP 11. <sup>2</sup>											
45	All ages.....	368	371	53	59	106	100	95	91	114	121
46	Under 1 year.....	30	27	4	3	8	5	11	8	7	11
47	Less than 1 day.....	7	7	2	1	2		3	4		2
48	1 day.....	2	2						2		
49	2 days.....	2	1			1				1	1
50	3 to 6 days.....	1	3		1	1	1		1		1
51	1 week.....	3				2		1			
52	2 weeks.....	1	2				1	1			1
53	3 weeks.....		2								2
54	1 month.....	6	1	1			1	2		3	
55	2 months.....	1	1		1	1					
56	3 to 5 months.....	4	1			1	1	3			
57	6 to 8 months.....	3	4	1				1	1	1	3
58	9 to 11 months.....		3		1		1				1
59	1 year.....	9	12	2	4	4	3	2	3	1	2
60	2 years.....	2	4			1	1	1	2		1
61	3 years.....	7	2			2		1	1	4	1
62	4 years.....	2	2							2	2
63	5 to 9 years.....	7	8	1	1	2	3	2	1	2	3
64	10 to 14 years.....	11	5	3		2	1	2	1	4	3
65	15 to 17 years.....	11	6		1	6	3	5	1		1
66	18 years.....	3	5			1	1	2	2		2
67	19 years.....	3	8			1	1	1	3	1	4

<sup>1</sup> Includes the following counties: Bartholomew, Brown, Decatur, Jackson, Jennings, Monroe, and Scott.



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[See note at head of this table, pp. 34, 35.]

<sup>3</sup> Includes the following counties: Dearborn, Fayette, Franklin, Jefferson, Ohio, Ripley, Switzerland, and Union.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 11 <sup>1</sup> —continued.											
1	20 years.....	4	5			1	3	1		2	2
2	21 years.....	7	3			2	1	1		4	2
3	22 years.....	3	5		1	1	2		1	2	1
4	23 years.....	2	9			1	4	1	3		2
5	24 years.....	7	10	1	1	3	1	1	4	2	4
6	25 years.....	3	7			1	1		3	2	3
7	26 years.....	6	10		2	3		2	3	1	2
8	27 years.....	2	4			2	2	1	1	1	1
9	28 years.....	7	10	1	2	2	3	2	3	2	2
10	29 years.....	6	3			3	1	2		1	2
11	30 years.....	4	8	2	1		4	1	2	1	1
12	31 years.....	10	3			4	1	3	2	3	
13	32 to 34 years.....	13	15	1		3	6	2	2	7	7
14	35 to 39 years.....	20	20	1	3	9	6	4	3	6	8
15	40 to 44 years.....	16	17		7	3	3	6	5	7	2
16	45 to 49 years.....	16	17	3	1	7	5	3	3	3	8
17	50 to 54 years.....	15	15		5	6	2	7	4	2	4
18	55 to 59 years.....	15	14		1	6		5	5	4	8
19	60 to 64 years.....	26	25	3	4	8	7	5	8	10	6
20	65 years and over.....	99	92	31	22	16	27	20	17	32	26
21	Unknown age.....	2						1		1	
INDIANA, RURAL, GROUP 12 <sup>2</sup>											
22	All ages.....	288	343	34	41	77	89	80	110	97	103
23	Under 1 year.....	32	35	5	6	13	12	7	11	7	6
24	Less than 1 day.....	4	6			2	3	2	2		1
25	1 day.....	2	1		1	1				1	
26	2 days.....	1	2		1		1				
27	3 to 6 days.....	2	2			1	1		1	2	
28	1 week.....	3	3	2	1		1		1	1	
29	2 weeks.....	1				1					
30	3 weeks.....				1						
31	1 month.....	2	2			1	1	1	1		
32	2 months.....	3	1			3	1				
33	3 to 5 months.....	6	6	2		2	2	2	3		1
34	6 to 8 months.....	3	8		2		1	2	3	1	2
35	9 to 11 months.....	5	3	1		3	1			1	2
36	1 year.....	15	18	3	3	6	2	3	7	3	6
37	2 years.....	5	13		1	3	1	1	8	1	3
38	3 years.....	9	4			4	2	1	2	4	
39	4 years.....		6				1		2		3
40	5 to 9 years.....	10	15		1		4	6	7	4	3
41	10 to 14 years.....	8	16			3	5	3	6	2	5
42	15 to 17 years.....	12	13			1	1	7	6	4	6
43	18 years.....	6	2			1	1	2		3	1
44	19 years.....	3	7			1	1	1	3	1	3
45	20 years.....	3	2					1		2	2
46	21 years.....	3	6	1			4			2	2
47	22 years.....	4	5	1	1	2			2	1	2
48	23 years.....	2	9		1	2	1		3		4
49	24 years.....	3	7			1	4	1		1	3
50	25 years.....	3	5			2	2		2	1	1
51	26 years.....	7	7		1	3	2	2	2	2	4
52	27 years.....	5	8			1	4	3	2	1	2
53	28 years.....	8	7		1	4	4	1	1	3	1
54	29 years.....	8	4			3	1	2		3	3
55	30 years.....	1	5			1	1		2		2
56	31 years.....	5	4						3	5	1
57	32 to 34 years.....	9	9	1		3		3	6	2	3
58	35 to 39 years.....	14	17	1	2	2	6	5	6	6	3
59	40 to 44 years.....	13	10	2	2	4	1	3	4	4	3
60	45 to 49 years.....	12	6	2	1	1	1	5	2	4	2
61	50 to 54 years.....	9	8	3	1	1	5			4	2
62	55 to 59 years.....	11	12		2	2	3	4		5	3
63	60 to 64 years.....	9	15	1	1	3	5	3	9	2	
64	65 years and over.....	59	68	14	17	10	15	15	12	20	24
65	Unknown age.....										

<sup>1</sup> See note 2 on preceding page.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	
4	3			1	2	1		2	1		1				1				1	
4	2			1	1	1		2	1		1							1	2	
	4				2		1		1		1			1					3	
1	4				2		1		2		1						1		4	
5	6			3	1			3	2										5	
3	6			1	1			2	2		3						1		6	
5	4			2			2	1	1		2			1			2		7	
1	3				1		1	1	1		1				1				8	
6	6			2	3		2	1	2		2			1			1		9	
4	2			3					1		2				1	2			10	
2	7				4		1	2	1		1								11	
8	2			4		2	2	2	2										12	
6	10			1	5	2	1	3	4		2			1			1	1	13	
13	11		1	6	5	3	2	4	3		4				1		1	2	14	
8	1			1	1	3		4			1					2	1	1	15	
2	9			2	3		1		5		1						1		16	
4	3		1	1	1		1	1			1							1	17	
3	4					2	1	1	3		3						1		18	
5	5			2	2		2	3	1		2			1				1	19	
14	14	2	4	4	3	3	2	5	5		2				5			2	20	
																			21	
129	157			40	43	40	59	49	55	12	15		1	3	4	5	5	4	5	22
12	13			3	3	5	5	4	5	1	1			1	1					23
																				24
2								2												25
																				26
																				27
2	1			1		1	1													28
1				1																29
2	5				1	2	3		1		1				1					30
3	4				1	2	1	1	2											31
2	3			1	1			1	1		2									32
																				33
																				34
8	10			4		2	7	2	3		2		1			1		1	1	35
4	10			2	1	1	7	1	2		1							1	1	36
6	2			3	1	1	1	3	3											37
	4				1	2			1		1							1		38
																				39
																				40
5	12				4	2	5	3	3								1			41
5	12			1	4	2	5	2	3		1			1						42
10	7			1	1	6	3	3	3		1						1			43
6	1			1	1	2		1	3											44
3	5			1		1	2	1	3		1				1					45
																				46
2	2					1		1	2		2									47
2	4				3				1											48
2	3			1			1	2	2		1			1				1		49
2	5			1	3			1	2											50
																				51
3	3			2	1		2	1											1	52
6	4			3	1	1		2	1		3				1					53
5	6			1	4	3	1	1	1											54
7	6			4	4	1	1	2	2		1									55
6	4			3	1	1										1				56
1	4			1	1		2		1											57
3	2						2	3			1						1			58
7	6			3		3	3	1	3											59
7	8			1	4	4	2	2	2		2				1			2		60
7	5			2		2	2	3	3											61
																				62
2	3				1			1	2		1						1			63
3	1				1			3			1									64
3	3				1	2	2	1	4		2						1	1		65
	7				1															

\* Includes the following counties: Gibson, Pike, Posey, Spencer, and Warrick.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 13. <sup>1</sup>											
1	All ages.....	327	344	51	54	100	114	86	84	90	92
2	Under 1 year.....	40	29	12	8	12	5	6	6	10	10
3	Less than 1 day.....	6	3	1	—	3	1	1	1	1	1
4	1 day.....	3	—	—	—	1	—	—	—	2	—
5	2 days.....	1	—	1	—	—	—	—	—	—	—
6	3 to 6 days.....	1	2	—	1	—	—	—	1	1	—
7	1 week.....	4	2	1	1	—	—	1	1	2	1
8	2 weeks.....	—	2	—	2	—	—	—	—	—	—
9	3 weeks.....	—	1	—	—	—	—	—	—	—	1
10	1 month.....	1	3	—	—	—	1	—	—	—	1
11	2 months.....	1	—	1	1	1	—	—	—	—	—
12	3 to 5 months.....	11	5	4	1	3	1	3	—	1	3
13	6 to 8 months.....	9	5	3	—	3	2	1	1	2	2
14	9 to 11 months.....	3	6	1	3	1	—	—	2	1	1
15	1 year.....	16	13	—	—	7	3	5	7	1	3
16	2 years.....	8	9	3	—	1	2	3	4	4	3
17	3 years.....	10	8	—	1	4	3	—	2	6	2
18	4 years.....	6	5	—	—	3	3	3	1	—	1
19	5 to 9 years.....	11	15	—	2	3	5	1	5	7	3
20	10 to 14 years.....	19	16	2	1	7	7	2	3	8	5
21	15 to 17 years.....	10	12	2	1	3	7	4	3	1	1
22	18 years.....	3	6	—	—	—	2	3	2	—	2
23	19 years.....	5	3	—	1	4	2	1	—	—	—
24	20 years.....	3	3	—	—	2	—	1	1	—	2
25	21 years.....	4	6	1	—	2	4	1	2	—	—
26	22 years.....	2	11	—	—	1	7	1	2	—	2
27	23 years.....	1	2	—	—	—	—	—	1	1	1
28	24 years.....	5	1	1	—	3	—	1	—	—	1
29	25 years.....	—	2	—	1	—	—	—	—	—	1
30	26 years.....	6	5	1	—	—	2	4	—	1	3
31	27 years.....	3	6	2	1	—	2	1	1	—	2
32	28 years.....	4	5	—	—	3	4	1	—	—	1
33	29 years.....	8	2	1	—	3	1	1	—	3	1
34	30 years.....	6	7	—	1	4	4	1	2	1	—
35	31 years.....	4	7	—	—	1	3	3	2	—	2
36	32 to 34 years.....	13	16	—	2	7	6	4	2	2	6
37	35 to 39 years.....	16	16	2	1	5	6	5	5	4	4
38	40 to 44 years.....	10	9	1	1	—	4	5	2	4	2
39	45 to 49 years.....	12	16	2	2	2	5	2	5	3	4
40	50 to 54 years.....	9	12	2	2	3	—	5	5	2	5
41	55 to 59 years.....	7	16	1	4	2	4	1	2	3	6
42	60 to 64 years.....	21	18	6	7	5	3	5	3	5	5
43	65 years and over.....	65	68	12	18	13	20	16	16	24	14
44	Unknown age.....	—	—	—	—	—	—	—	—	—	—
INDIANA, RURAL, GROUP 14. <sup>2</sup>											
45	All ages.....	1,048	888	198	126	277	244	270	229	303	289
46	Under 1 year.....	112	67	20	18	39	24	25	10	28	15
47	Less than 1 day.....	22	10	5	3	6	2	4	4	7	1
48	1 day.....	7	3	1	—	1	2	3	1	2	—
49	2 days.....	3	—	1	—	2	—	—	—	—	—
50	3 to 6 days.....	5	6	—	1	—	3	1	—	3	2
51	1 week.....	6	3	1	—	5	1	—	—	1	1
52	2 weeks.....	3	4	—	2	1	—	—	1	2	1
53	3 weeks.....	5	2	1	1	1	1	3	—	1	—
54	1 month.....	4	5	—	1	2	2	1	—	1	2
55	2 months.....	6	5	2	1	2	2	2	—	—	2
56	3 to 5 months.....	24	14	6	2	10	8	4	2	4	2
57	6 to 8 months.....	16	11	3	5	4	2	4	1	5	3
58	9 to 11 months.....	11	4	—	1	5	1	3	1	3	1
59	1 year.....	39	37	9	6	10	16	10	5	10	10
60	2 years.....	18	16	5	1	5	7	4	5	4	3
61	3 years.....	15	9	3	1	1	3	9	2	2	3
62	4 years.....	14	13	2	2	3	2	7	4	2	5
63	5 to 9 years.....	23	29	3	1	8	8	6	11	6	9
64	10 to 14 years.....	24	25	1	1	6	5	9	11	8	8
65	15 to 17 years.....	31	33	6	3	4	12	6	7	15	11
66	18 years.....	12	7	1	—	3	2	5	1	3	4
67	19 years.....	20	18	4	1	4	—	4	8	8	9

<sup>1</sup> Includes the following counties: Crawford, Dubois, Harrison, Lawrence, Orange, Perry, and Washington.



## 63

[See note at head of this table, pp. 34, 35.]

<sup>2</sup> Includes the following counties: Cass (excluding Logansport), Clark (excluding Jeffersonville), Delaware (excluding Muncie), Elkhart (excluding Elkhart), Floyd (excluding New Albany), Grant (excluding Marion), Howard (excluding Kokomo), Huntington (excluding Huntington), Knox (excluding Vincennes), Lake (excluding East Chicago, Gary, and Hammond), Laporte (excluding Laporte and Michigan City), Madison (excluding Anderson and Elwood), Miami (excluding Peru), Tippecanoe (excluding Lafayette), and Wayne (excluding Richmond).



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 14 <sup>1</sup> —continued.											
1	20 years.....	19	9	1	5	2	4	3	9	4	
2	21 years.....	9	20	2	1	4	5	8	3	6	
3	22 years.....	9	10	1	4	3	4	2	8	4	
4	23 years.....	8	18	1	4	5	5	5	3	7	
5	24 years.....	12	16	1	4	7	4	2	3	6	
6	25 years.....	13	13	3	5	7	8	3	3		
7	26 years.....	8	20	1	4	4	1	5	3	10	
8	27 years.....	14	14	1	4	4	1	5	8	3	
9	28 years.....	10	13	1	3	1	2	5	4	7	
10	29 years.....	7	16	3	2	5	2	3	6		
11	30 years.....	13	13	1	3	3	5	2	5	7	
12	31 years.....	8	16	3	4	3	5	2	7		
13	32 to 34 years.....	28	34	2	5	6	13	13	9	13	
14	35 to 39 years.....	60	40	5	22	9	18	11	15	11	
15	40 to 44 years.....	25	35	5	2	5	9	11	9	13	
16	45 to 49 years.....	28	22	8	8	4	4	5	8	10	
17	50 to 54 years.....	35	30	10	8	7	9	5	8	12	
18	55 to 59 years.....	49	27	12	10	9	15	4	12	8	
19	60 to 64 years.....	50	33	14	13	12	12	8	11	6	
20	65 years and over.....	333	235	80	54	66	67	55	102	72	
21	Unknown age.....	2			2						
INDIANA, RURAL, GROUP 15. <sup>1</sup>											
22	All ages.....	466	390	73	145	104	112	104	136	132	
23	Under 1 year.....	47	34	11	14	7	6	12	16	9	
24	Less than 1 day.....	7	3		5		1	2	1	1	
25	1 day.....	2	4	1				2	2	1	
26	2 days.....	4	1				1		3	1	
27	3 to 6 days.....	3	4	2	1		2	1	1	1	
28	1 week.....	2			1		1				
29	2 weeks.....										
30	3 weeks.....	2	1		1	1	1				
31	1 month.....	4	3	1	1	1	1	1	2	1	
32	2 months.....	3	1	1	1				1		
33	3 to 5 months.....	8	5	1	4	2	3	3	3		
34	6 to 8 months.....	7	6	2	1	1	2	1	2	2	
35	9 to 11 months.....	5	6	4	1	2	1	1	1	2	
36	1 year.....	13	17	2	3	5		5	8	6	
37	2 years.....	6	9	1	3	1		5	2	2	
38	3 years.....	4	3		1	1	1	1	2	1	
39	4 years.....	5	3		3		1	2	1	1	
40	5 to 9 years.....	11	6	1	4	2	3	1	3	2	
41	10 to 14 years.....	10	16	1	4	4	3	5	3	6	
42	15 to 17 years.....	14	16		2	7	7	4	5	5	
43	18 years.....	10	2		5	1	2		3	1	
44	19 years.....	4	6	1	2	4	2	1			
45	20 years.....	4	6	1	2	2	1	2		2	
46	21 years.....		6			3				3	
47	22 years.....	3	5	1	1	2	1	2			
48	23 years.....	3	3		2	2	2	1	1		
49	24 years.....	3	10	1	1	3	2	3		3	
50	25 years.....	6	6		3		1	3	2	3	
51	26 years.....	5	8		2	3		2	3	3	
52	27 years.....	8	6		1	5	4		3	1	
53	28 years.....	10	7	1	3	3	3		3	3	
54	29 years.....	5	11		2	3	3	4		4	
55	30 years.....	2	8	1	1	2	1	2		3	
56	31 years.....	4	5				1	3	3	1	
57	32 to 34 years.....	29	18	4	10	3	5	4	10	10	
58	35 to 39 years.....	37	22	11	9	9	8	4	9	7	
59	40 to 44 years.....	17	13	1	6	5	3	3	7	4	
60	45 to 49 years.....	22	15	3	3	2	10	3	6	8	
61	50 to 54 years.....	22	13	5	6	2	4	4	7	5	
62	55 to 59 years.....	20	12	5	7	2	2	1	6	5	
63	60 to 64 years.....	26	28	5	6	8	7	10	8	7	
64	65 years and over.....	116	76	21	41	13	29	17	25	27	
65	Unknown age.....										

<sup>1</sup> See note 2 on preceding page.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

65

(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
15	7	1		2	2	3	3	9	2										
5	15		1		2	3	7	2	5	1	1			1	1				
7	7			3	2	4	2		3		1				2				
5	9			4	2		3	1	4	2	4				2				
6	11			3	4	1	1	2	6	2	3				2	2	1	2	1
8	7			2	2	4	5	2		2	2				1	2	1		
3	13			2	3		4	1	6	1	5			1	1			4	7
8	5			2	2	1	2	5	1	1	7		1		2		2	1	2
7	9			3		1	2	3	7	1	1					1	1		
4	8			2	3	2	2		3		2							2	10
11	8			3	2	3	1	5	5	1	3				1	1		2	11
6	10			3	1	1	3	2	6		1				1				12
19	21			5	3	7	10	7	8	1	6				2		1	3	13
34	13			16	3	10	6	8	4	2	7	1	2		1	1		4	14
7	13	1		4	3	3	4	3	5	1	3					1		2	15
12	4			5	1	2	2	4	1	1	4				1			1	16
6	8	1	1	3	4	1	1	1	2	5	3	1			1	1		3	17
11	2			2		4		4	2	2	3				1			2	18
9	8			2	4	3	2	4	2	3	1				1		1	1	19
30	24	5		7	10	6	4	12	10	11	6	3	1	3	2	1		4	3
1				1															
178	173	2	1	63	58	49	55	64	59	11	15	2	1	2	3	6	8	1	3
13	8	1		4	2	2	4	6	2	2	1	1		1	1				
1				1															
3		1		1				1											
5	3			2	1	2	2	3		2		1		1					
4	1					2	1	2											
4	4			1		1	1	2	2		1			1					
9	15			2	5		4	7	6	1	1			1			1		
3	7			2	1		5	1	1		1		1						
4	2			1		1	1	2	1										
4	2			2		1	1	1	1		1					1			
8	4			2	1	3	1	3	2										
7	13			4	4	1	5	2	4	1					1				
9	11			1	5	5	3	3	3	1	1					1	1		
9	1			4	1	2		3											
3	3			2	3	1					1					1			
2	4			2	2			2											
	5				2			3											
1	4			1	2		2												
2	2			1	1	1	1	1											
	5				2	1	1	2											
5	5			3		1	3	1	2										
2	7			1	2		2	1	3										
6	3			1	3	2		3		2						2		1	
7	3			2	1	2		3	2		1			1					
5	8			2	3	3	3		2										
2	5			1	1	1	2		2										
3	4					1	3	2	1										
14	11			6	2	2	4	6	5	1	1			1		1			
20	12			6	6	6	3	8	3	2	1	1						1	
5	8			2	3	2	3	1	2										
4	4			1	2	2		1	2	1						1			
7	5	1		3	1	2	4	1	1										
6	1			3		1		2											
3	1			1				2	1		1					1			
15	10	1		4	3	7		4	6		4					3		1	

<sup>2</sup> Includes the following counties: Allen (excluding Fort Wayne), Marion (excluding Indianapolis), St. Joseph (excluding Mishawaka and South Bend), Vanderburg (excluding Evansville), and Vigo (excluding Terre Haute).



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER  
[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS (TOTAL).											
1	All ages.....	5,894	5,089	706	609	1,797	1,500	1,500	1,251	1,891	1,729
2	Under 1 year.....	549	458	97	82	176	151	127	99	149	126
3	Less than 1 day.....	120	92	20	16	38	33	26	20	36	23
4	1 day.....	46	31	11	9	17	11	8	3	10	8
5	2 days.....	23	19	4	3	5	4	6	8	8	4
6	3 to 6 days.....	38	32	8	7	9	8	8	3	13	14
7	1 week.....	26	30	3	7	10	9	7	5	6	9
8	2 weeks.....	20	14	6	3	4	6	6	2	4	3
9	3 weeks.....	10	11	2	1	5	5	1	4	2	1
10	1 month.....	34	26	11	4	8	9	7	6	8	7
11	2 months.....	24	25	4	7	6	4	3	7	11	7
12	3 to 5 months.....	62	75	6	12	25	22	16	18	15	23
13	6 to 8 months.....	75	58	13	8	24	21	25	12	13	17
14	9 to 11 months.....	71	45	9	5	25	19	14	11	23	10
15	1 year.....	148	151	15	17	44	58	42	37	47	39
16	2 years.....	95	92	12	13	29	26	21	22	33	31
17	3 years.....	57	53	2	5	17	17	12	16	26	15
18	4 years.....	39	50	3	2	13	12	8	18	15	18
19	5 to 9 years.....	134	157	12	7	38	59	35	29	49	62
20	10 to 14 years.....	151	143	11	5	53	54	46	31	41	53
21	15 to 17 years.....	197	142	16	11	54	40	47	35	80	56
22	18 years.....	88	76	2	8	28	20	30	19	28	29
23	19 years.....	98	80	2	9	44	26	23	23	29	22
24	20 years.....	107	77	6	3	30	26	31	25	40	23
25	21 years.....	78	88	4	9	26	28	20	19	28	32
26	22 years.....	77	79	3	2	29	26	23	18	22	33
27	23 years.....	86	94	4	6	33	30	18	28	31	30
28	24 years.....	75	111	6	4	23	36	20	24	26	47
29	25 years.....	127	108	4	2	44	32	37	29	42	45
30	26 years.....	108	127	8	10	35	37	28	32	37	48
31	27 years.....	100	117	6	5	28	31	26	30	40	51
32	28 years.....	101	131	3	3	37	43	24	38	37	47
33	29 years.....	128	107	2	5	43	39	32	30	51	33
34	30 years.....	140	107	2	7	47	32	31	28	60	40
35	31 years.....	102	97	5	6	39	30	26	23	32	38
36	32 to 34 years.....	381	272	19	13	139	84	104	63	119	112
37	35 to 39 years.....	419	317	25	32	144	82	113	71	137	132
38	40 to 44 years.....	250	216	21	23	83	59	64	59	82	75
39	45 to 49 years.....	179	173	19	26	46	41	52	51	62	55
40	50 to 54 years.....	204	159	35	28	62	43	53	38	54	50
41	55 to 59 years.....	192	158	36	23	60	42	42	39	54	54
42	60 to 64 years.....	252	189	51	46	54	42	69	40	78	61
43	65 years and over.....	1,216	954	273	197	295	254	290	235	358	268
44	Unknown age.....	16	6	2	.....	4	.....	6	2	4	4
KANSAS CITIES.											
45	All ages.....	1,521	1,419	170	162	563	484	348	327	440	446
46	Under 1 year.....	131	125	28	22	49	47	23	26	31	30
47	Less than 1 day.....	19	13	4	2	5	5	3	3	7	3
48	1 day.....	14	12	7	2	2	7	3	1	2	2
49	2 days.....	9	4	1	1	3	.....	3	2	2	1
50	3 to 6 days.....	8	6	4	1	.....	1	2	1	2	3
51	1 week.....	5	10	.....	2	4	1	1	3	.....	4
52	2 weeks.....	4	3	1	1	1	2	1	.....	1	.....
53	3 weeks.....	1	5	1	.....	.....	3	.....	2	.....	.....
54	1 month.....	7	9	4	1	2	5	.....	.....	.....	3
55	2 months.....	11	6	1	3	4	1	2	1	4	1
56	3 to 5 months.....	14	23	.....	3	6	9	3	5	5	6
57	6 to 8 months.....	21	20	3	4	11	8	5	4	2	4
58	9 to 11 months.....	18	14	2	2	11	5	.....	4	5	3
59	1 year.....	37	45	4	3	18	22	6	9	9	11
60	2 years.....	39	27	3	2	14	11	9	8	13	6
61	3 years.....	21	14	.....	.....	8	8	2	2	11	4
62	4 years.....	8	13	.....	.....	4	5	2	3	2	5
63	5 to 9 years.....	44	42	3	.....	14	28	10	6	17	8
64	10 to 14 years.....	37	33	6	2	11	16	11	8	9	7
65	15 to 17 years.....	36	41	1	4	16	11	8	12	11	14
66	18 years.....	27	24	1	3	7	10	7	4	12	7
67	19 years.....	26	18	1	3	13	5	5	6	7	4



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

67

(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
2,908	2,481	37	31	989	789	781	605	1,098	1,056	166	255	11	12	42	64	52	78	61	101
136	113	6	4	45	41	43	27	42	41	12	9	2	1	6	1	1	5	3	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	6	1	1	1	2	2	1	2	3	1	1	1	1	1	1	1	1	1	1
6	3	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	1	2	2	2	3	3	2	1	1	1	1	1	1	1	1	1	1
5	10	2	2	2	1	1	2	5	2	3	3	2	2	3	2	3	1	3	1
8	6	1	1	2	1	1	2	6	2	2	2	1	1	3	1	3	1	1	1
30	30	1	1	14	8	10	9	6	13	3	2	2	2	3	1	1	1	1	1
35	26	3	1	10	11	17	3	5	12	4	1	1	1	1	1	1	2	1	1
41	27	1	1	12	11	10	8	18	7	3	2	2	2	2	1	1	1	1	1
97	88	1	1	31	33	28	25	37	29	7	10	1	2	3	3	1	3	4	15
60	59	1	1	23	17	14	15	22	27	2	2	1	1	1	1	2	2	1	16
44	35	1	1	15	13	10	10	19	12	1	4	1	1	1	1	2	1	1	17
29	34	1	1	11	8	6	12	11	14	1	2	1	1	1	1	1	1	1	18
82	101	1	1	22	41	26	17	34	43	5	13	1	1	2	4	1	2	2	7
96	105	1	1	33	42	30	19	33	44	7	7	1	1	3	2	1	4	3	20
137	99	1	1	39	29	32	23	65	47	5	9	1	1	2	4	3	3	3	21
74	54	1	1	27	14	24	16	23	24	5	6	1	1	2	3	2	2	2	22
78	47	1	1	33	15	21	17	24	15	4	10	1	1	2	5	1	1	1	3
90	52	1	1	28	17	27	17	35	18	2	9	1	1	3	2	3	3	3	24
57	60	1	1	18	19	15	15	24	25	3	6	1	1	2	3	1	1	1	25
62	59	2	1	23	23	22	10	15	26	3	5	1	1	1	1	3	1	2	26
62	69	1	1	26	22	14	17	22	29	6	9	1	1	2	3	3	3	3	27
58	83	1	1	19	28	15	18	24	37	4	7	1	1	2	1	2	1	5	28
102	81	1	1	33	24	33	20	36	37	5	13	1	1	2	1	6	4	5	29
89	92	2	1	30	30	22	23	35	38	4	9	1	1	1	2	2	3	6	30
78	87	2	1	22	25	20	20	34	41	3	8	1	1	2	1	1	1	5	31
84	98	1	1	33	34	17	25	33	38	4	14	1	1	4	1	7	2	3	32
106	82	1	1	39	33	23	23	43	25	6	5	1	1	2	3	3	1	2	33
121	82	1	1	43	25	24	22	54	35	7	7	1	1	2	2	2	3	3	34
86	64	1	1	37	21	22	14	26	29	1	7	1	1	2	2	1	1	4	35
297	194	1	1	110	62	82	40	105	91	10	19	1	1	3	6	5	7	2	36
306	202	2	7	115	60	84	39	105	96	13	17	1	1	4	4	4	7	8	37
153	105	1	1	56	32	43	31	53	41	6	15	1	1	3	4	2	3	1	7
74	65	1	1	15	19	21	22	38	24	4	4	1	1	1	1	1	2	2	39
53	51	2	1	18	13	13	14	20	23	3	8	1	2	1	1	2	2	3	40
38	41	1	1	13	8	8	11	16	21	7	6	1	1	1	1	2	3	5	41
34	35	1	2	10	10	10	7	13	16	3	4	1	1	1	1	2	1	1	42
119	139	11	7	21	31	32	35	55	66	22	11	4	1	3	3	8	3	7	4
6	5	1	1	1	3	1	2	4	1	1	1	1	1	1	1	1	1	1	44
802	736	13	9	324	296	186	166	279	265	37	46	3	1	16	16	8	12	10	17
38	41	3	2	17	21	7	7	11	11	3	1	1	1	2	1	1	1	1	46
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	47
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	48
1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	49
1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	50
1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	51
1	6	1	1	1	3	1	2	2	1	1	1	1	1	1	1	1	1	1	52
4	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	53
8	10	2	1	4	5	2	2	2	3	1	1	1	1	1	1	1	1	1	54
10	10	2	1	3	5	3	1	2	4	1	1	1	1	1	1	1	1	1	55
12	8	1	1	6	4	3	5	1	1	1	1	1	1	1	1	1	1	1	56
24	33	1	1	11	16	6	7	6	10	1	1	1	1	1	1	1	1	1	57
25	21	1	1	9	9	6	7	10	5	1	1	1	1	1	1	1	1	1	58
18	9	1	1	8	6	1	3	9	3	1	1	1	1	1	1	1	1	1	59
7	10	1	1	3	4	2	3	2	3	1	1	1	1	1	1	1	1	1	60
29	32	1	1	8	22	9	3	12	7	4	1	1	1	2	1	1	2	1	61
22	27	1	1	6	15	8	5	8	7	1	1	1	1	1	1	1	1	1	62
23	26	1	1	10	8	3	7	10	11	3	3	1	1	1	1	1	1	1	63
22	17	1	1	7	7	6	4	9	6	1	2	1	1	2	2	1	1	1	64
19	10	1	1	10	2	4	6	5	2	4	2	1	1	2	2	1	1	1	65

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1. DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS CITIES—Continued.											
1	20 years.....	25	18	2	1	9	6	5	9	9	2
2	21 years.....	22	23	2	3	6	10	6	6	8	4
3	22 years.....	21	26	1	1	11	13	4	3	5	9
4	23 years.....	22	29	2	2	8	11	4	12	10	4
5	24 years.....	15	35	1	.....	4	14	5	5	5	16
6	25 years.....	40	32	2	1	19	10	9	5	10	16
7	26 years.....	26	46	3	3	12	15	7	13	4	15
8	27 years.....	30	32	1	2	13	9	6	6	10	15
9	28 years.....	26	43	1	.....	14	14	3	9	8	20
10	29 years.....	34	32	1	.....	10	15	8	9	15	8
11	30 years.....	41	33	.....	3	22	10	8	9	11	11
12	31 years.....	28	22	.....	.....	13	7	6	6	9	9
13	32 to 34 years.....	103	72	.....	2	49	27	22	19	25	24
14	35 to 39 years.....	120	86	5	8	48	25	33	16	34	37
15	40 to 44 years.....	79	62	7	9	28	18	20	15	24	20
16	45 to 49 years.....	62	54	7	10	16	12	17	16	22	16
17	50 to 54 years.....	69	53	15	8	22	18	17	14	15	13
18	55 to 59 years.....	49	45	10	11	20	13	8	9	11	12
19	60 to 64 years.....	64	52	7	6	16	18	22	10	19	18
20	65 years and over.....	236	240	50	53	68	56	55	51	63	80
21	Unknown age.....	3	2	1	.....	1	.....	.....	1	1	1
KANSAS RURAL DISTRICTS.											
22	All ages.....	4,373	3,670	536	447	1,234	1,016	1,152	924	1,451	1,283
23	Under 1 year.....	418	333	69	60	127	104	104	73	118	96
24	Less than 1 day.....	101	79	16	14	33	28	23	17	29	20
25	1 day.....	32	19	4	7	15	4	5	2	8	6
26	2 days.....	14	15	3	2	2	4	3	6	6	3
27	3 to 6 days.....	30	26	4	6	9	7	6	2	11	11
28	1 week.....	21	20	3	5	6	8	6	2	6	5
29	2 weeks.....	16	11	5	2	3	4	5	2	3	3
30	3 weeks.....	9	6	1	1	5	2	1	2	2	1
31	1 month.....	27	17	7	3	6	4	7	6	7	4
32	2 months.....	13	19	3	4	2	3	1	6	7	6
33	3 to 5 months.....	48	52	6	9	19	13	13	13	10	17
34	6 to 8 months.....	54	38	10	4	13	13	20	8	11	13
35	9 to 11 months.....	53	31	7	3	14	14	14	7	18	7
36	1 year.....	111	106	11	14	26	36	36	28	38	28
37	2 years.....	56	65	9	11	15	15	12	14	20	25
38	3 years.....	36	39	2	5	9	9	10	14	15	11
39	4 years.....	31	37	3	2	9	7	6	15	13	13
40	5 to 9 years.....	90	115	9	7	24	31	25	23	32	54
41	10 to 14 years.....	114	110	5	3	42	38	35	23	32	46
42	15 to 17 years.....	161	101	15	7	38	29	39	23	69	42
43	18 years.....	61	52	1	5	21	10	23	15	16	22
44	19 years.....	72	62	1	6	31	21	18	17	22	18
45	20 years.....	82	59	4	2	21	20	26	16	31	21
46	21 years.....	56	65	2	6	20	18	14	13	20	28
47	22 years.....	56	53	2	1	18	13	19	15	17	24
48	23 years.....	64	65	4	4	25	19	14	16	21	26
49	24 years.....	60	76	5	4	19	22	15	19	21	31
50	25 years.....	87	76	2	1	25	22	28	24	32	29
51	26 years.....	82	81	5	7	23	22	21	19	33	33
52	27 years.....	70	85	5	3	15	22	20	24	30	36
53	28 years.....	75	88	2	3	23	29	21	29	29	27
54	29 years.....	94	75	1	5	33	24	24	21	36	25
55	30 years.....	99	74	2	4	25	22	23	19	49	29
56	31 years.....	74	75	5	6	26	23	20	17	23	29
57	32 to 34 years.....	278	200	12	11	90	57	82	44	94	88
58	35 to 39 years.....	299	231	20	24	96	57	80	55	103	95
59	40 to 44 years.....	171	154	14	14	55	41	44	44	58	55
60	45 to 49 years.....	117	119	12	16	30	29	35	35	40	39
61	50 to 54 years.....	135	106	20	20	40	25	36	24	39	37
62	55 to 59 years.....	143	113	26	12	40	29	34	30	43	42
63	60 to 64 years.....	188	137	44	40	38	24	47	30	59	43
64	65 years and over.....	980	714	223	144	227	198	235	184	295	188
65	Unknown age.....	13	4	1	.....	3	.....	6	1	3	3



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
20	14			8	5	4	7	8	2	1						1			1
14	14			3	7	4	4	7	3										2
18	22	1		9	12	4	2	4	8										3
16	19			6	9	3	7	7	3	1	5					1	4		4
11	25			3	11	3	3	5	11	1	3			1	1	1		2	5
32	24			14	8	9	4	9	12		3					1		2	6
19	34	1		9	13	5	9	4	12		3					1		2	7
21	26			9	8	4	6	8	12	1	2			1				1	8
21	33			11	11	3	5	7	17	1	2			1	1	1		1	9
28	29			8	15	6	7	14	7	2				2					10
37	26			21	9	6	8	10	9	1				1					11
25	16			12	6	6	4	7	6		2							1	12
75	56			40	20	16	14	19	22	2	5			1	3	1		1	13
89	51		1	36	18	26	5	27	27	5	4	1	1	2		1	2	2	14
52	30			18	10	16	9	18	11	3	1			1	1	2			15
26	21			5	8	7	7	14	6										16
15	13	2		6	5	2	4	5	4	1	1					1		1	17
10	11		1	6	2	1	3	3	5	1		1							18
12	7	1		3	3	3	2	5	2	1	1			1				1	19
33	38	4	5	8	6	6	7	15	20	1	3					1	1	2	20
1	1							1	1										21
2,106	1,745	24	22	665	493	598	439	819	791	129	209	8	11	26	48	44	66	51	84
98	72	3	2	28	20	36	20	31	30	9	8	1	1	4	1	1	4	3	2
1	1				1			1	1										23
4	1	1		1		1		1	1										24
4	4			1	2	1		2	2	1								1	25
5	1	1		1		2	1	1	2										26
4	4		1	1				3	3		1								27
4	5			1	1		2	3	2		2								28
22	20			10	3	8	7	4	10	2	2		1	2			2		29
25	16	1		7	6	14	2	3	8	3	1	1						2	30
29	19		1	6	7	10	5	13	6	3	2			2	1	1	1		31
73	55		1	20	17	22	18	31	19	6	10	1	2		3	3	1	2	32
35	38	1		14	8	8	8	12	22	1	1						2	1	33
26	26			7	7	9	10	10	9	1	4		1				2	1	34
22	24	1		8	4	4	9	9	11	1	2				1		1		35
53	69			14	19	17	14	22	36	1	12				4	1	2		36
74	78			27	27	22	14	25	37	6	6			1	2	2	1	3	37
114	73	1		29	21	29	16	55	36	5	6			2	2	2	3	2	38
52	37			20	7	18	12	14	18	4	4					3	2	1	39
59	37			23	13	17	11	19	13		8		1		3		1		40
70	38			20	12	23	10	27	16	1	9				3	1	3		41
43	46		1	15	12	11	11	17	22	3	6			2	3	1	1	2	42
44	37	1		14	11	18	8	11	18	3	5			1		1	3	1	43
46	50		1	20	13	11	10	15	26	5	4				1	2	3	3	44
47	58			16	17	12	15	19	26	3	4			2		1	1		45
70	57			19	16	24	16	27	25	5	10				2	1	5	4	46
70	58	1	1	21	17	17	14	31	26	4	6	1		1		2	2		47
57	61	2	1	13	17	16	14	26	29	2	6				1	1	1	1	48
63	65	1	1	22	23	14	20	26	21	3	12				4	1	6	2	49
78	53	1	1	31	18	17	16	29	18	4	5					3	3	1	50
84	56			22	16	18	14	44	26	6	7			1	2	2	2	3	51
61	48	1		25	15	16	10	19	23	1	5				1	1	1	1	52
222	138		1	70	42	66	26	86	69	8	14			2	3	5	6	1	53
217	151	2	6	79	42	58	34	78	69	8	13			2	4	1	3	5	54
101	75	1	1	38	22	27	22	35	30	3	14		1	2	3		3	1	55
48	44			10	11	14	15	24	18	4	4				1	1	1	2	56
38	38		1	12	8	11	10	15	19	2	7	1	2		1	1	2		57
28	30	1		7	6	7	8	13	16	6	6			1	1	2		3	58
22	28		2	7	7	7	5	8	14	2	3		1			1	2	1	59
86	101	7	2	13	25	26	28	40	46	21	8	4	1	3	3	7	2	7	60
5	4			1		3	1	1	3	1				1					61

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS CITY, KANS.											
1	Total, all ages.....	500	446	51	38	216	204	96	79	137	125
2	Under 1 year.....	34	42	8	6	11	23	6	5	9	8
3	Less than 1 day.....	1	2				1		1	1	
4	1 day.....	3	6	1		1	6	1			
5	2 days.....	2	1					1		1	1
6	3 to 6 days.....	1		1							
7	1 week.....	1	4				1	1			2
8	2 weeks.....	1	3		1		2				
9	3 weeks.....	1	3	1		1	3				
10	1 month.....	2	5	1	1		2			1	2
11	2 months.....	5	2		2	2		1		2	
12	3 to 5 months.....	3	5			2	3			1	2
13	6 to 8 months.....	7	6	2	1	2	3	2	1	1	1
14	9 to 11 months.....	7	5	2	1	3	2		2	2	
15	1 year.....	17	27	1		12	15	2	4	2	8
16	2 years.....	24	11	1	1	8	6	7	3	8	1
17	3 years.....	13	5			5	4			8	1
18	4 years.....	4	5			2	3	2	1		1
19	5 to 9 years.....	18	23	1		8	19	2	1	7	3
20	10 to 14 years.....	10	14	1	1	1	8	4	4	4	1
21	15 to 17 years.....	13	14	1		6	2	4	6	2	6
22	18 years.....	5	11	1	2	1	5	1	1	2	3
23	19 years.....	12	1			8	1	1		3	
24	20 years.....	7	2			5	2	1		1	
25	21 years.....	7	6			1	3	2		2	
26	22 years.....	5	10	2	1	3	8		2	2	
27	23 years.....	4	2	1	1	3	1		1	1	1
28	24 years.....	4	14			3	8			1	6
29	25 years.....	14	13	1	1	6	5	3	1	4	6
30	26 years.....	9	12	1	1	5	4	2	5	1	2
31	27 years.....	12	10			7	6	3		2	4
32	28 years.....	9	12			5	5		2	3	5
33	29 years.....	10	10	1		4	6	2	2	3	2
34	30 years.....	11	12			5	5	3	4	3	3
35	31 years.....	9	9			5	5	1	2	3	2
36	32 to 34 years.....	29	18	2	1	18	9	4	2	5	6
37	35 to 39 years.....	46	33	3	5	21	10	11	4	11	14
38	40 to 44 years.....	25	16	1	2	13	4	6	5	5	5
39	45 to 49 years.....	27	15	2		8	7	10	3	7	5
40	50 to 54 years.....	26	17	7	3	9	8	4	2	6	4
41	55 to 59 years.....	15	11	3	2	6	2	2	4	4	3
42	60 to 64 years.....	25	20	2	1	10	8	5	5	8	6
43	65 years and over.....	55	51	10	10	17	12	8	10	20	19
44	Unknown age.....	1								1	
45	White, all ages.....	441	375	36	32	199	173	83	67	123	103
46	Under 1 year.....	28	36	6	6	10	22	4	4	8	4
47	Less than 1 day.....	1	2				1		1	1	
48	1 day.....	3	6	1		1	6	1			
49	2 days.....	2	1					1		1	1
50	3 to 6 days.....	1		1							
51	1 week.....		4						1		2
52	2 weeks.....	1	3		1		2				
53	3 weeks.....	1	3	1		1	3				
54	1 month.....	1	2		1		1			1	
55	2 months.....	4	2		2			1		2	
56	3 to 5 months.....	3	4			2				1	1
57	6 to 8 months.....	5	5	1	1	2	3	1	1	1	
58	9 to 11 months.....	6	4	2	1	3	2		1	1	
59	1 year.....	16	19	1		11	8	2	4	2	7
60	2 years.....	18	9		1	4	5	6	3	8	
61	3 years.....	13	5			5	4			8	1
62	4 years.....	4	4			2	2	2	1		1
63	5 to 9 years.....	17	19	1		8	15	1	1	7	3
64	10 to 14 years.....	8	11			1	7	3	3	4	1
65	15 to 17 years.....	12	12			6	1	4	5	2	6
66	18 years.....	5	8	1		1	5	1	1	2	2
67	19 years.....	11	1			8	1			3	



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

71

(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
287	259	6	4	142	144	57	40	82	71	15	14	1	1	9	4	1	3	4	6
14	18	2	2	5	12	2	2	5	2	1	1			1			1		
1				1															
1	2			1	2						1						1		
	2				2														
	4		1		2				1										
1	1		1					1											
2	3			1	3			1		1				1					
4	2		1		1	2		1	1										
5	4		1		2		2	2											
13	21			10	11	2	3	1	7										
17	8			5	5	5	2	7	1		1			1					
11	3			5	2			6	1										
4	5			2	3	2	1		1										
11	21			5	17	2	1	4	3					2				2	
7	12			1	8	3	3	3	1	1							1		
6	11			3	2	1	4	2	5										
3	7			1	4	1	1	1	2									1	
9				6		1		2		2				2					
6	1			5	1														
3	4			3	3	1	1	1											
5	8		1	3	7			1	1										
2	1			2	1						1						1		
3	12			2	7			1	5										
12	10			6	4	3		3	6								1		
6	8			3	4	2	4				1								
10	8			5	5	3		2	3		1			1	1				
5	8			3	4		1	2	3		1			1					
6	8			3	6	1	1	2	1		1			1					
10	10			5	4	2	4	3	2										
8	5			5	4	1	1	2			2				1				
24	14			15	7	4	2	5	5		2				1				
32	19			17	9	8	1	7	9		1								
19	8			11	3	5	2	3	3		1		1			1			
9	7			2	5	3		4	1										
6	6		1	3	2	2	1	2	2		1			1					
3	3			1			2		1										
11	3		1	3	2	3		4	1					1					
11	10		1	4	2	1	1	5	5									1	
1								1											
265	221	5	4	136	122	48	35	76	60	14	14	1	1	8	4	1	3	4	6
12	14	2	2	5	11	1	1	4		1	1			1			1		
1				1															
1	2			1	2						1						1		
	2				2														
	2		1		1														
1	1		1					1											
2	3			1	3									1					
3	1		1		1	1		1											
4	3		1		2		1	1											
12	15			9	5	2	3	1	7										
13	6			2	4	4	2	7			1			1					
11	3			5	2			6	1										
4	4			2	2	2	1		1										
10	18			5	14	1	1	4	3		4			2				2	
6	10			1	7	2	2	3	1		1						1		
6	10			3	1	1	4	2	5										
3	7			1	4	1	1	1	2		1							1	
8				6				2			2			2					

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.			DEATHS FROM—									
			All causes.									
			Total for 4 months.		September.		October.		November.		December.	
			Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS CITY, KANS.—continued.												
1	20 years	6	2			5	2	1		2		
2	21 years	5	6	1	1	1	3	1	2	1	1	
3	22 years	4	10		1	3	8					
4	23 years	4	1			3			1		1	
5	24 years	4	12			3	8				1	4
6	25 years	13	12	1	1	6	5	3	1	3	5	
7	26 years	9	9	1	1	5	2	2	4	1	2	
8	27 years	11	9			5	5	2		2	4	
9	28 years	7	10			5	5		1	2	4	
10	29 years	10	8	1		4	5	2	2	3	1	
11	30 years	11	12			5	5	3	4	3	3	
12	31 years	8	8			5	5		1	3	2	
13	32 to 34 years	26	17	2		17	8	4	2	3	6	
14	35 to 39 years	41	24	2	3	21	8	10	3	8	10	
15	40 to 44 years	20	13		2	11	3	5	4	4	4	
16	45 to 49 years	24	11	2		7	7	9		6	4	
17	50 to 54 years	21	13	5	2	7	6	4	2	5	3	
18	55 to 59 years	12	9	2	2	5	1	1	4	4	2	
19	60 to 64 years	23	17	2	1	8	6	5	5	8	5	
20	65 years and over	50	48	8	10	15	11	8	9	19	18	
21	Unknown age											
22	Colored, all ages	59	71	15	6	17	31	13	12	14	22	
23	Under 1 year	6	6	2		1	1	2	1	1	4	
24	Less than 1 day											
25	1 day											
26	2 days											
27	3 to 6 days											
28	1 week	1						1				
29	2 weeks											
30	3 weeks											
31	1 month	1	3	1			1				2	
32	2 months	1				1						
33	3 to 5 months		1								1	
34	6 to 8 months	2	1	1				1			1	
35	9 to 11 months	1	1						1	1		
36	1 year	1	8			1	7				1	
37	2 years	6	2	1		4	1	1			1	
38	3 years											
39	4 years		1				1					
40	5 to 9 years	1	4				4	1				
41	10 to 14 years	2	2	1	1		1	1	1			
42	15 to 17 years	1		1			1		1			
43	18 years		3		2						1	
44	19 years	1						1				
45	20 years	1								1		
46	21 years	2		1				1				
47	22 years	1		1								
48	23 years		2				1					
49	24 years										2	
50	25 years	1	1								1	1
51	26 years		3				2		1			
52	27 years	1	1	1			1	1				
53	28 years	2	2	1					1	1	1	
54	29 years		2				1				1	
55	30 years											
56	31 years	1	1					1	1			
57	32 to 34 years	3	9			1	1			2		
58	35 to 39 years	5	3	1	2		2	1	1	3	4	
59	40 to 44 years	5				2	1	1	1	1	1	
60	45 to 49 years	3	4			1		1	3	1	1	
61	50 to 54 years	5	4	2	1	2	2			1	1	
62	55 to 59 years	3	2	1		1	1	1			1	
63	60 to 64 years	2	3			2	2				1	
64	65 years and over	5	3	2			1		1	1	1	
65	Unknown age	1								1		

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[See note at head of this table, pp. 34, 35.]

[illegible]



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
TOPEKA, KANS.											
1	Total, all ages.....	212	185	37	30	85	69	44	40	46	46
2	Under 1 year.....	24	16	9	6	10	5	2	3	3	2
3	Less than 1 day.....	2	3	2	1	1	1				1
4	1 day.....	5		4				1			
5	2 days.....	2				1		1			
6	3 to 6 days.....	1	1	1					1		
7	1 week.....	2	2		1	2			1		
8	2 weeks.....	1		1							
9	3 weeks.....										
10	1 month.....	1	1	1			1				
11	2 months.....		2				1				1
12	3 to 5 months.....	2	1		1	1				1	
13	6 to 8 months.....	3	3		2	3	1				
14	9 to 11 months.....	5	3		1	3	1		1	2	
15	1 year.....	6	2	3		2	1			1	1
16	2 years.....	2	2			2	1		1		
17	3 years.....	1	2				1			1	1
18	4 years.....	2	2			1	1		1	1	
19	5 to 9 years.....	3	4			2	2		2	1	
20	10 to 14 years.....	3	4			1	3			2	1
21	15 to 17 years.....	4	7			2	4		2	1	2
22	18 years.....	5	1		1	1	1		2	2	
23	19 years.....	3	4			2	2		1	2	
24	20 years.....	2	3	1			1		2	1	
25	21 years.....	1	5				3		1		2
26	22 years.....	4	3			3	1			1	2
27	23 years.....	3	6			3	4		1		1
28	24 years.....	2	5				2		2	2	1
29	25 years.....	6	4	1		3		1		1	3
30	26 years.....	4	7	1	1	3	2		3		1
31	27 years.....	1	5				3			1	2
32	28 years.....	3	8			2	3		1	2	3
33	29 years.....	6	7				4		3	6	
34	30 years.....	3				2					
35	31 years.....	5	3			3		1	2	1	1
36	32 to 34 years.....	18	10			10	5	5	1	3	4
37	35 to 39 years.....	14	9			8	2	4	4	2	3
38	40 to 44 years.....	17	8	3	1	7	2	5	3	2	2
39	45 to 49 years.....	5	7	2	2	2	1		2	1	2
40	50 to 54 years.....	14	7	3	2	6		3	1	2	
41	55 to 59 years.....	5	6	1	4	2	1	2	1		
42	60 to 64 years.....	9	6	1	2	2	1	3		3	3
43	65 years and over.....	37	36	12	12	6	12	11	3	8	9
44	Unknown age.....										
45	White, all ages.....	195	164	35	28	79	64	40	31	41	41
46	Under 1 year.....	23	14	9	5	10	4	2	3	2	2
47	Less than 1 day.....	2	3	2	1		1				1
48	1 day.....	5		4				1			
49	2 days.....	2				1		1			
50	3 to 6 days.....	1		1					1		
51	1 week.....	2	1			2			1		
52	2 weeks.....	1		1							
53	3 weeks.....										
54	1 month.....	1	1	1			1				
55	2 months.....		1								1
56	3 to 5 months.....	2	1		1	1				1	
57	6 to 8 months.....	3	3		2	3	1			1	
58	9 to 11 months.....	4	3		1	3	1		1	1	
59	1 year.....	4	2	2		2	1				1
60	2 years.....	2	2			2	1				
61	3 years.....	1	2				1		1	1	1
62	4 years.....	2	2			1			1	1	
63	5 to 9 years.....	3	3			2	2			1	
64	10 to 14 years.....	3	3			1	3		1	2	
65	15 to 17 years.....	4	7			2	4		2		2
66	18 years.....	5	1			1	1		2	2	
67	19 years.....	3	3			2	1		1	2	

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[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
103	96	4		51	43	18	22	30	31	2	7	2			4		2		1
7	4			4	2		2	3		1		1							
	1						1												
	1				1					1		1							
2				1				1											
1				1															
4	2			2	1		1	2											
2	2	1			1			1	1										
2	2			2	1		1		1										
1	1			1	1		1	1											
2	2			1	1		1	1											
2	2																		
3	3			1	2			1	2		1				1				
2	5			1	3		1	1			1				1				
3	1			1	1			1											
3	4			2	2		1	2											
1	1				1			1											
1	1				1		1		1										
3	3			3	1														
3	4			3	3							1					1		
2	1							2	1		1				1				
4	3			2	1		1	1	2										
3	4	1		2	2		1	1	1		1						1		
3	4			3	3				1		1								
6	7			2	2		1	3	6		3								
3																			
3																			
5																			
6																			
3																			
14	9			9	4		4	2	1		4								
11	6			6	1		3	2	2		3								
9	5			4	1		3	2	2		2				1				
2	4			1	1			1	1		2								
1	1							1			1								
5	6	2		1	3		1	1	3										
95	89	4		48	41	16	18	27	30	2	7	2			4		2		1
6	4			4	2		2	2		1		1							
	1						1												
	1																		
	1				1					1		1							
2				1				1											
1				1															
3	2			2	1		1	1											
1	2	1			1														
2	2			2	1		1		1										
1	1			1	1			1											
2	2																		
2	2																		
2	2																		
2	2																		
2	5																		
3	1																		
3	3																		





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[See note at head of this table, pp. 34, 35.]

[illegible]

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1. DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
WICHITA, KANS.											
1	All ages.....	304	255	31	33	113	72	77	72	83	78
2	Under 1 year.....	27	12	2	4	14	2	6	2	5	4
3	Less than 1 day.....	5	1	1	1	4	1	1	1	1	1
4	1 day.....	1	2	1	1	1	1	1	1	1	1
5	2 days.....	1	1	1	1	1	1	1	1	1	1
6	3 to 6 days.....	1	2	1	1	1	1	1	1	1	1
7	1 week.....	1	2	1	1	1	1	1	1	1	1
8	2 weeks.....	1	1	1	1	1	1	1	1	1	1
9	3 weeks.....	1	1	1	1	1	1	1	1	1	1
10	1 month.....	3	1	1	1	2	1	1	1	1	1
11	2 months.....	2	1	1	1	1	1	1	1	1	1
12	3 to 5 months.....	5	3	1	1	1	1	3	1	1	2
13	6 to 8 months.....	6	1	1	1	2	1	3	1	1	1
14	9 to 11 months.....	3	1	1	1	2	1	1	1	1	1
15	1 year.....	4	4	1	1	3	1	1	1	1	1
16	2 years.....	4	3	1	1	2	1	1	1	1	1
17	3 years.....	2	2	1	1	1	1	1	1	1	1
18	4 years.....	1	2	1	1	1	1	1	1	1	1
19	5 to 9 years.....	6	3	1	1	1	1	2	3	1	2
20	10 to 14 years.....	10	8	2	1	4	3	2	1	1	2
21	15 to 17 years.....	4	11	1	1	3	3	4	1	4	1
22	18 years.....	10	3	1	1	3	1	4	1	3	1
23	19 years.....	6	4	1	1	2	1	1	1	2	1
24	20 years.....	4	6	1	1	3	1	4	1	1	1
25	21 years.....	6	7	2	2	2	3	1	4	1	1
26	22 years.....	5	5	1	2	2	2	1	2	2	1
27	23 years.....	5	8	1	3	1	3	3	4	2	2
28	24 years.....	2	4	1	1	1	1	1	1	1	2
29	25 years.....	6	7	1	1	2	1	2	2	2	4
30	26 years.....	3	10	1	1	1	4	1	3	1	3
31	27 years.....	8	7	1	1	5	3	4	3	2	2
32	28 years.....	5	7	1	1	2	3	1	2	2	2
33	29 years.....	10	4	1	1	3	1	3	2	4	1
34	30 years.....	16	7	1	1	11	3	2	2	3	2
35	31 years.....	7	2	1	1	3	1	1	1	4	1
36	32 to 34 years.....	23	16	3	2	7	6	7	7	6	3
37	35 to 39 years.....	22	16	2	2	9	3	9	3	4	8
38	40 to 44 years.....	12	15	2	1	5	7	3	2	2	5
39	45 to 49 years.....	13	11	2	4	2	1	3	3	6	3
40	50 to 54 years.....	10	11	1	2	1	2	5	3	3	4
41	55 to 59 years.....	10	6	4	1	4	2	1	3	1	1
42	60 to 64 years.....	16	10	1	1	2	4	8	2	5	3
43	65 years and over.....	51	42	11	11	17	8	15	8	8	15
44	Unknown age.....		2					1			1
ALL OTHER REGISTRATION CITIES, <sup>1</sup> KANSAS.											
45	All ages.....	505	533	51	61	149	139	131	136	174	197
46	Under 1 year.....	46	55	9	6	14	17	9	16	14	16
47	Less than 1 day.....	11	7	1	1	1	3	3	2	6	2
48	1 day.....	6	4	2	2	1	1	1	2	2	2
49	2 days.....	4	3	1	1	1	1	1	2	1	2
50	3 to 6 days.....	5	2	2	1	1	1	2	1	1	2
51	1 week.....	1	2	1	1	1	1	1	1	1	2
52	2 weeks.....	2	1	1	1	1	1	1	1	1	1
53	3 weeks.....	1	2	1	1	1	2	1	2	1	1
54	1 month.....	1	3	1	1	1	1	1	1	1	1
55	2 months.....	4	2	1	1	1	1	1	1	1	1
56	3 to 5 months.....	4	14	1	1	2	6	5	2	2	2
57	6 to 8 months.....	5	11	1	1	4	4	3	3	3	3
58	9 to 11 months.....	3	5	1	1	3	2	1	1	1	2
59	1 year.....	14	12	3	3	4	3	4	4	6	2
60	2 years.....	9	11	2	2	2	3	1	4	4	4
61	3 years.....	5	5	1	1	3	3	2	1	1	1
62	4 years.....	1	4	1	1	1	1	1	1	1	3
63	5 to 9 years.....	17	12	1	1	3	6	7	1	6	5
64	10 to 14 years.....	14	7	3	1	5	2	4	2	2	3
65	15 to 17 years.....	15	9	4	4	5	2	2	1	8	2
66	18 years.....	7	9	2	2	2	3	2	2	5	4
67	19 years.....	5	9	2	2	1	1	2	3	2	3

<sup>1</sup>Includes Atchison, Coffeyville, Fort Scott, Hutchinson, Independence, Lawrence, Leavenworth, Parsons, and Pittsburg.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
154	131	.....	1	62	43	37	39	55	48	7	5	.....	.....	4	3	3	.....	2	1
9	2	.....	.....	3	.....	3	.....	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
3	1	.....	.....	1	.....	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
3	.....	.....	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
1	1	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
1	2	.....	.....	.....	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
2	1	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	1	.....	.....	1	1	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
5	5	.....	.....	2	3	2	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
3	7	.....	.....	3	2	.....	2	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
10	2	.....	.....	3	1	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
4	2	.....	.....	2	.....	.....	1	2	1	1	1	.....	.....	.....	1	1	.....	.....	23
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	6	.....	.....	2	1	.....	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	24
4	4	.....	.....	.....	2	.....	1	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
4	4	.....	.....	1	2	1	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
5	6	.....	.....	1	2	.....	3	4	.....	1	.....	.....	.....	.....	1	.....	.....	.....	27
2	3	.....	.....	1	1	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	6	.....	.....	2	1	2	2	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
3	9	.....	.....	1	3	1	3	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
6	6	.....	.....	4	.....	4	4	2	2	1	.....	.....	.....	1	.....	.....	.....	.....	31
5	5	.....	.....	2	2	1	1	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
9	3	.....	.....	3	1	2	1	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	7	.....	.....	10	3	1	2	2	2	1	.....	.....	.....	1	.....	.....	.....	.....	34
5	2	.....	.....	2	1	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
13	13	.....	.....	5	5	4	5	4	3	1	1	.....	.....	1	1	.....	.....	.....	36
17	9	.....	.....	7	2	7	1	3	6	1	1	.....	.....	.....	.....	.....	.....	.....	37
6	8	.....	.....	2	3	3	2	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	38
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	3	.....	.....	2	1	2	1	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	39
1	1	.....	.....	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	40
3	1	.....	.....	2	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	41
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42
5	8	.....	1	1	1	1	2	3	4	1	.....	.....	.....	.....	.....	1	.....	.....	43
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44
.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
258	250	3	4	69	66	74	65	112	115	13	20	.....	.....	3	5	4	7	6	8
8	17	1	.....	5	7	2	3	.....	7	1	.....	.....	.....	1	.....	.....	.....	.....	45
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48
1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49
.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	50
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52
.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	53
2	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55
1	6	.....	.....	1	2	.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
2	8	1	.....	1	4	.....	1	.....	3	1	.....	.....	.....	1	.....	.....	.....	.....	57
2	1	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	8	.....	.....	1	2	4	4	4	2	1	.....	.....	.....	.....	.....	.....	.....	1	59
5	9	.....	.....	2	2	1	4	2	3	1	.....	.....	.....	.....	.....	.....	.....	.....	60
4	4	.....	.....	3	3	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	61
1	2	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	62
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	8	.....	.....	1	3	6	1	5	4	.....	1	.....	.....	.....	.....	.....	.....	1	63
7	7	.....	.....	2	2	3	2	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	64
12	7	.....	.....	3	1	1	.....	8	2	.....	2	.....	.....	.....	.....	1	.....	.....	65
6	7	.....	.....	2	1	.....	2	4	4	.....	2	.....	.....	.....	2	.....	.....	.....	66
3	4	.....	.....	.....	.....	2	3	1	1	1	1	.....	.....	.....	1	.....	.....	1	67



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
ALL OTHER REGISTRATION CITIES, <sup>1</sup> KANSAS—continued.											
1	20 years.....	12	7	.....	1	1	2	4	3	7	1
2	21 years.....	8	5	.....	.....	3	1	3	3	2	1
3	22 years.....	7	8	.....	.....	3	2	3	1	1	5
4	23 years.....	10	13	.....	2	1	3	4	7	5	1
5	24 years.....	7	12	1	.....	3	5	2	1	.....	7
6	25 years.....	14	8	.....	.....	8	3	3	2	3	3
7	26 years.....	10	17	1	1	3	5	4	2	2	9
8	27 years.....	9	10	1	1	1	.....	3	2	4	7
9	28 years.....	9	16	.....	.....	5	3	1	3	3	10
10	29 years.....	8	11	.....	.....	3	4	3	2	2	5
11	30 years.....	11	14	.....	3	4	2	3	3	4	6
12	31 years.....	7	8	.....	.....	2	1	4	2	1	5
13	32 to 34 years.....	33	28	2	.....	14	7	6	9	11	11
14	35 to 39 years.....	38	29	2	1	10	10	9	6	17	12
15	40 to 44 years.....	25	22	1	5	3	5	6	4	15	8
16	45 to 49 years.....	17	21	1	4	4	3	4	8	8	6
17	50 to 54 years.....	19	22	4	1	6	8	5	8	4	5
18	55 to 59 years.....	19	22	2	4	8	8	3	1	6	9
19	60 to 64 years.....	14	16	3	2	2	5	6	3	3	6
20	65 years and over.....	93	111	17	20	28	24	21	30	27	37
21	Unknown age.....	2	.....	1	.....	1	.....	.....	.....	.....	.....
KANSAS, RURAL, GROUP 1. <sup>2</sup>											
22	All ages.....	177	132	26	26	46	26	48	33	57	47
23	Under 1 year.....	23	19	6	6	5	3	7	4	5	6
24	Less than 1 day.....	7	7	3	1	1	1	1	4	2	1
25	1 day.....	2	1	.....	1	1	.....	.....	.....	.....	.....
26	2 days.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....
27	3 to 6 days.....	1	3	.....	2	.....	.....	1	.....	.....	1
28	1 week.....	3	1	.....	.....	1	1	1	.....	.....	1
29	2 weeks.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
30	3 weeks.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....
31	1 month.....	3	1	1	.....	.....	.....	1	.....	1	.....
32	2 months.....	1	.....	1	.....	.....	.....	.....	.....	.....	1
33	3 to 5 months.....	2	2	1	1	.....	.....	1	.....	.....	.....
34	6 to 8 months.....	2	1	.....	.....	1	1	1	.....	.....	1
35	9 to 11 months.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....
36	1 year.....	2	5	.....	1	.....	1	1	2	1	1
37	2 years.....	4	3	2	1	1	.....	.....	.....	1	2
38	3 years.....	1	2	1	.....	.....	1	.....	.....	.....	1
39	4 years.....	1	1	1	.....	.....	.....	.....	.....	.....	1
40	5 to 9 years.....	3	.....	.....	.....	.....	.....	.....	.....	3	.....
41	10 to 14 years.....	3	2	.....	.....	2	1	.....	1	1	.....
42	15 to 17 years.....	3	1	.....	.....	.....	.....	2	1	1	.....
43	18 years.....	3	.....	.....	.....	.....	.....	1	.....	2	.....
44	19 years.....	3	1	.....	.....	1	1	1	.....	1	.....
45	20 years.....	3	.....	.....	.....	.....	.....	2	.....	1	.....
46	21 years.....	6	2	.....	.....	2	2	1	.....	3	.....
47	22 years.....	2	3	.....	.....	.....	1	1	.....	1	.....
48	23 years.....	1	3	.....	.....	.....	2	.....	.....	1	2
49	24 years.....	5	3	.....	.....	1	1	3	1	1	1
50	25 years.....	4	3	.....	.....	1	1	1	2	2	.....
51	26 years.....	1	2	.....	.....	.....	1	.....	1	1	.....
52	27 years.....	.....	5	.....	1	.....	.....	.....	2	.....	2
53	28 years.....	3	3	.....	.....	.....	1	2	1	1	1
54	29 years.....	4	2	.....	.....	3	.....	.....	1	1	1
55	30 years.....	5	2	.....	.....	2	.....	1	1	2	1
56	31 years.....	4	4	.....	.....	.....	1	2	2	2	1
57	32 to 34 years.....	12	5	.....	.....	4	1	5	.....	3	4
58	35 to 39 years.....	9	12	1	1	4	3	1	2	3	6
59	40 to 44 years.....	6	7	.....	2	4	.....	1	2	1	3
60	45 to 49 years.....	5	6	.....	1	2	1	2	2	1	2
61	50 to 54 years.....	1	1	.....	1	2	.....	1	.....	.....	.....
62	55 to 59 years.....	5	5	.....	1	2	2	.....	1	1	1
63	60 to 64 years.....	13	7	5	3	1	.....	3	1	4	3
64	65 years and over.....	40	23	9	8	9	2	9	6	13	7
65	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> See note 1 on preceding page.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
11	6			1	2	3	3	7	1	1						1			1
6	4			2	1	2	2	2	1										2
6	7			2	2	3	1	1	4										3
6	8				3	3	4	3	1	1	2					1	2		4
4	9				3	3	2	1	4	1	2					1			5
10	5			4	2	3	2	3	1		2							2	6
7	13			3	4	2	1	2	8		1							1	7
5	8					1	2	4	6										8
8	14			4	3	1	2	3	9		1					1			9
7	11			2	4	3	2	2	5	1				1					10
11	9			4	2	3	2	4	5										11
7	6			2	1	4	1	1	4										12
24	20			11	4	4	6	9	10	1	2					1	1	1	13
29	18		1	6	6	8	2	15	9	2	1				1	1	2		14
18	8			1	3	5	2	12	3	2				1		1			15
8	7				1	2	4	6	2										16
8	6	1		3	2	1	2	3	2		1							1	17
4	6		1	3	1			1	4										18
	2				1		1												19
12	14	1	2	2		3	4	6	8		2					1		1	20
																			21
73	53			25	13	19	13	29	27	5	7		2	1	1	1	4	3	22
4	1			2				2	1	1			1						23
																			24
																			25
																			26
2				1				1											27
																			28
1								1											29
	1								1										30
																			31
1	1			1					1										32
																			33
1				1						1				1					34
																			35
1	4				1		2	1	1										36
1	1			1					1										37
																			38
	1								1										39
2								2											40
3	1			2			1	1											41
1								1											42
2						1		1											43
3	1			1	1	1		1											44
3						2		1											45
4	2			1	2	1		1											46
2	3				1	1		1	2										47
	3				2			1	1	1							1		48
3	2			1	1	1		1	1										49
3				1				2		3				1		2			50
1	2				1		1	1											51
	3				1		1	1	2										52
1								1	1										53
4				3				1		1						1			54
5				2		1	1	2	1										55
3	4				1	2	2	1	1										56
10	4			4		4		2	4										57
8	7			4	2	1	2	3	3										58
2	4			2			1		3	1		1							59
3						2		1											60
2						1		1	1										61
	1								1	1	2		1			1	1		62
2	3			1		1	1		2	2									63
																			64
																			65

<sup>2</sup> Includes the following counties: Cheyenne, Decatur, Gove, **Graham**, Greeley, Lane, Logan, Ness, Norton, Rawlins, Scott, Sheridan, Sherman, Thomas, Trego, Wallace, and Wichita.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 2. <sup>1</sup>											
1	All ages.....	249	185	21	18	51	43	88	57	89	67
2	Under 1 year.....	28	18	5	1	6	6	7	5	10	6
3	Less than 1 day.....	8	4			3	2	2	1	3	1
4	1 day.....	4		1		1				2	
5	2 days.....		1						1		
6	3 to 6 days.....	3	2	1			1		1	2	
7	1 week.....	1	1				1			1	
8	2 weeks.....	1	1	1			1				
9	3 weeks.....		1				1				
10	1 month.....	3	3	1	1			2	1		1
11	2 months.....										
12	3 to 5 months.....	4	2			1		2		1	2
13	6 to 8 months.....	3	3	1				1	1	1	2
14	9 to 11 months.....	1				1					
15	1 year.....	4	8	1	1	1	4	2	2		1
16	2 years.....	1	5		1		1	1	1		2
17	3 years.....	1	2			1			2		
18	4 years.....	4		1		1				2	
19	5 to 9 years.....	4	6		2	3			1	1	3
20	10 to 14 years.....	5	3		1	2		1		2	2
21	15 to 17 years.....	21	6	2	1	4	2	3	3	12	
22	18 years.....	5	1				1	2		3	
23	19 years.....	5	2				1	3		2	1
24	20 years.....	8	4				2	4	1	4	1
25	21 years.....	3	3					2	2	1	1
26	22 years.....	6	4			2	1	3		1	3
27	23 years.....	7	5	1	1	1	1	3	2	2	1
28	24 years.....	1	8				1		3	1	4
29	25 years.....	6	6			3		2	3	1	3
30	26 years.....	6	5			1	2		1	5	2
31	27 years.....	4	6			2	2		1	2	3
32	28 years.....	1	1						1		
33	29 years.....	9	6			3	1	4	3	2	2
34	30 years.....	7	6			1	3	1	2	5	1
35	31 years.....	3	5		3			2	1	1	1
36	32 to 34 years.....	23	6	2		4		11	1	6	5
37	35 to 39 years.....	15	14	2	2	2	2	5	8	6	2
38	40 to 44 years.....	11	9		1	1	1	5	2	5	5
39	45 to 49 years.....	7	2			4		1	1	2	1
40	50 to 54 years.....	10	5			2	1	6	2	2	2
41	55 to 59 years.....	2	3				1	2	1		1
42	60 to 64 years.....	13			2	1		1	1	4	5
43	65 years and over.....	28	28	6	2	6	10	10	7	6	9
44	Unknown age.....	2						1		1	
KANSAS, RURAL, GROUP 3. <sup>2</sup>											
45	All ages.....	274	245	30	31	83	87	83	60	78	67
46	Under 1 year.....	26	17	3	2	8	5	9	4	6	6
47	Less than 1 day.....	9	6		1	3	1	3	1	3	3
48	1 day.....										
49	2 days.....	1	1	1							
50	3 to 6 days.....	2					1				
51	1 week.....							2			
52	2 weeks.....	2		1		1					
53	3 weeks.....		1								
54	1 month.....	2	3		1			1	2		1
55	2 months.....	2				1					
56	3 to 5 months.....	2	1					1		1	
57	6 to 8 months.....	4	4			1		2		1	1
58	9 to 11 months.....	2	1			1	3		1	1	
59	1 year.....	11	9	1	4	3	3	4		3	2
60	2 years.....	7	3	2		1	1	4			2
61	3 years.....	1	4		2	1	1				1
62	4 years.....	1	1				1	1			
63	5 to 9 years.....	5	7	1	2	2	1		1	2	3
64	10 to 14 years.....	9	6			5	3	3	1	1	2
65	15 to 17 years.....	11	10	1		3	6	3	2	4	2
66	18 years.....	4	6			3	2	1	3		1
67	19 years.....	5	3	1		2	3			2	

<sup>1</sup> Includes the following counties: Clark, Comanche, Edwards, Finney, Ford, Grant, Gray, Hamilton, Haskell, Hodgeman, Kearny, Kiowa, Meade, Morton, Pawnee, Seward, Stanton, and Stevens.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

83

(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
150	94	4	1	25	15	59	35	62	43	8	13			2	4	3	4	3	5
7	5	2		2	1	3	2		2										
1		1																	
1	1	1			1														
	1						1												
3	2			1		2			2										
1	1					1	1												
1				1															
2	2			1		1	1		1	1	1				1	1			
1	3				1	1			2										
1	2			1			2												
3				1				2											
1	3							1	3										
3	2					1		2	2										
13	5			1	2	2	3	10	2	2				1				1	
5						2		3											
5	2				1	3		2	1										
7	2					4	1	3	1		1				1				
3	2					2	1	1	1										
6	3			2	1	3		1	2										
4	2					3	1	1	1										
1	8				1		3	1	4								1	1	
4	6			2		1	3	1	3	1						1			
6	3			1	2			5	1		1								
4	3			2	1		1	2	1		2				1				
	1						1												
7	6			2	1	3	3	2	2										
6	3			1	1	1	1	4	1	1	2				1		1	1	
3	1					2	1	1											
18	4			3		9	1	6	3	1	1								
13	8			2	1	5	5	6	2		2			1					
8	6			1		4	2	3	4		1					2			
4	1			3		1			1										
5	4					4													
1	2				1	1	1		1										
2	2					1	1												
5	3	2	1		1	1		2	2										
2						1		1											
132	123		3	47	55	43	30	42	35	10	17			5	6		5	5	6
8	6			3	3	3	2	2	1		1								
1				1															
	1						1				1								1
1																			
4	4			1	3	2		1	1										
2	1			1			1	1											
7	5		1	2	3	2		3	1										
4	3			1	1	3			2										
1	2			1	1				1										
	1				1														
2	3				1			2	2										
4	3			3	2	1	1			2	2			1	1			1	1
7	8			3	5	2	1	2	2								1		
4	5			3	2	1	2		1										
2	3			1	3			1											

<sup>2</sup> Includes the following counties: Barton, Ellis, Osborne, Phillips, Rooks, Rush, Russell, and Smith.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER  
[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 3 <sup>1</sup> —continued.											
1	20 years.....	4	3				1	2	1	2	1
2	21 years.....		3		1		2				
3	22 years.....	4	1			2		2	1		
4	23 years.....	2	4			1	3	1			1
5	24 years.....	2	5				2	1	1	1	2
6	25 years.....	7	3			2		3	2	2	1
7	26 years.....	2	2			1	1		1	1	
8	27 years.....	3	8				2	2	5	1	1
9	28 years.....	6	5			2	1		1	4	3
10	29 years.....	4	8		1	1	3		4	3	
11	30 years.....	6	4			1	2	3	1	2	1
12	31 years.....	4	5			2	1	1	2	1	2
13	32 to 34 years.....	23	14		2	12	4	5	3	6	5
14	35 to 39 years.....	14	18	1		6	11	3	4	4	3
15	40 to 44 years.....	11	6	1	1	4	1	3	3	3	1
16	45 to 49 years.....	5	8		1	1	3	2	3	2	1
17	50 to 54 years.....	11	4	2		1	1	6		2	3
18	55 to 59 years.....	5	8	1	1	2	4	1	2	1	1
19	60 to 64 years.....	10	13	1	4	3	1	3	3	3	5
20	65 years and over.....	68	55	15	10	13	18	19	12	21	15
21	Unknown age.....	3	2			1		1		1	2
KANSAS, RURAL, GROUP 4. <sup>2</sup>											
22	All ages.....	241	209	29	23	67	47	70	60	75	79
23	Under 1 year.....	33	21	7	2	6	7	13	4	7	8
24	Less than 1 day.....	5	10		1	1	5	3	2	1	2
25	1 day.....	1						1			
26	2 days.....	1		1							
27	3 to 6 days.....	1	2		1					1	1
28	1 week.....	2				1		1			
29	2 weeks.....	2	3				1	1		1	2
30	3 weeks.....	2				1				1	
31	1 month.....	2		1		1					
32	2 months.....	2	2					1		1	2
33	3 to 5 months.....	3	2	1			1	1	1	1	
34	6 to 8 months.....	5	1	2		1		2	1	1	
35	9 to 11 months.....	7	1	2		1		3		1	1
36	1 year.....	7	6	1	1	2	2	3	1	1	2
37	2 years.....	3	4			2	2		1	1	1
38	3 years.....	1	1			1			1		
39	4 years.....	3	3			2	1		1	1	1
40	5 to 9 years.....	6	4	2		3			2	1	2
41	10 to 14 years.....	1	5			1	2		1		2
42	15 to 17 years.....	4	3			1		2	1	1	2
43	18 years.....	4	6		1	2	1	1	2	1	2
44	19 years.....		5		1		1		1		2
45	20 years.....	3	2			3			1		1
46	21 years.....	3	4	1			3	1	1	1	
47	22 years.....	4	3			1	1		1	3	1
48	23 years.....	6	1			2	1	3		1	
49	24 years.....	5	2	1		1	1	1	1	2	
50	25 years.....	5	1			1		2		2	1
51	26 years.....	5	4			1	1	4	1		2
52	27 years.....	3	10			2	2		1	1	7
53	28 years.....	8	3			4		3	2	1	1
54	29 years.....	4	4			1		2	1	1	3
55	30 years.....	8	4			3	1	2		3	3
56	31 years.....	4	5	2		1	1	1	2		2
57	32 to 34 years.....	18	19	1		4	4	3	5	10	10
58	35 to 39 years.....	22	11		1	4	4	6	2	12	4
59	40 to 44 years.....	8	8	1	1	1	2	2	3	4	2
60	45 to 49 years.....	5	3			2		2	1	1	2
61	50 to 54 years.....	9	8	2	4	3	1	2	2	2	1
62	55 to 59 years.....	11	3	2		4		1	2	4	1
63	60 to 64 years.....	8	8	3	4	1	2	2	1	2	1
64	65 years and over.....	40	48	6	8	8	7	14	18	12	15
65	Unknown age.....										

<sup>1</sup> See note 2 on preceding page.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
4	2				1	2		2	1		1						1		
4	2		1		1						1				1				
1	3			2		2	1												
2	4				2	1	1	1	2		1				1				
6				1		3		2			2						1		1
2	2			1	1		1	1											
2	7				2	1	4	1	1		1						1		
6	5			2			1	4	3										
4	8		1	1	3			4	3										
6	3			1	2	3	1	2			1								1
4	2			2		1	1	1	2		2				1				
21	6			10	2	5	1	6	3		2			1	1		1		
11	15			6	10	3	3	2	2		2				1				
5	3			2	1	2	2	1		1	1			1					1
2	5			1	2		2	1	1										
4	1					3		1	1										
2	2				1				1		2			1				1	
2	2			1				1	2										
6	9				3	3	3	3	3		4			1				3	
1	2					1			2	1				1					
120	97	2	1	37	21	36	23	45	52	10	11	1	2	1	2	4	2	4	5
7	2					4		3	2	2		1		1					
1						1													
1	1							1	1										
1								1											
4	1					3		1	1		1			1					
3				2				1			2					1			2
2	2			2	1				1		1							1	
3	2			2		1	1	1	1										
1	3						1	1	2										
1	2			1					2		1				1				
3	3			1		2	1	2	1										
4	5			2	1	1	2	1	2										
	3						1		2		2			1					
3	2			3					1										
2	2				1	1	1	1											
1	2						1	1	1									1	
5	1			2	1	2		1											
4	2			1	1	1	1	2											
4						2					1								1
4	2			1		3			2										
3	7			2	1			1	6										
7	2			3		3	2	1			1								1
3	4			1		1	1	1	3							1			
6	4			2	1	2		2	3										
3		1		1	1	1	1		2										
16	17			4	4	3	3	10	10		2					2			
18	7		1	4	4	5		9	2		1							1	
6	3	1		1	2	2	1	2			1							1	1
1	1					1			1										
2	1			1			1	1			1		1			1			
2	1								1										
2	2				1	1	1	1											
4	10			2	2	1	2	1	6							1			

<sup>2</sup> Includes the following counties: Barber, Harper, Kingman, Pratt, Stafford, and Sumner.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 5. <sup>1</sup>											
1	All ages.....	289	228	40	25	89	73	67	58	93	72
2	Under 1 year.....	29	20	5	4	11	7	2	5	11	4
3	Less than 1 day.....	7	6	1	1	5	4	1	1	1	1
4	1 day.....	3	1	1	1	1	1	1	1	1	1
5	2 days.....	1	3	1	1	1	1	1	2	1	1
6	3 to 6 days.....	7	1	1	1	3	1	1	1	3	1
7	1 week.....	2	1	1	1	1	1	1	1	1	1
8	2 weeks.....	1	1	1	1	1	1	1	1	1	1
9	3 weeks.....	1	1	1	1	1	1	1	1	1	1
10	1 month.....	1	1	1	1	1	1	1	1	1	1
11	2 months.....	1	1	1	1	1	1	1	1	1	1
12	3 to 5 months.....	4	4	1	1	2	1	1	1	1	3
13	6 to 8 months.....	1	1	1	1	1	1	1	1	1	1
14	9 to 11 months.....	2	1	1	1	1	1	1	1	2	1
15	1 year.....	5	6	1	2	2	2	2	2	1	1
16	2 years.....	3	3	1	1	1	1	1	1	1	2
17	3 years.....	1	1	1	1	1	1	1	1	1	1
18	4 years.....	1	3	1	1	1	1	1	1	1	1
19	5 to 9 years.....	3	5	1	1	1	1	1	2	1	2
20	10 to 14 years.....	9	7	1	2	2	5	4	4	1	1
21	15 to 17 years.....	12	8	2	1	3	4	2	1	5	2
22	18 years.....	5	2	1	2	1	2	1	1	1	1
23	19 years.....	3	4	1	1	2	1	1	1	2	2
24	20 years.....	6	2	1	1	1	2	1	3	1	1
25	21 years.....	2	3	1	1	1	1	1	1	1	2
26	22 years.....	3	6	1	1	3	1	1	1	1	2
27	23 years.....	3	2	1	1	3	1	1	1	1	1
28	24 years.....	4	1	1	1	3	1	1	1	1	1
29	25 years.....	1	5	1	1	1	1	2	1	3	3
30	26 years.....	7	9	1	3	5	1	1	1	3	3
31	27 years.....	5	5	1	2	1	2	2	2	2	3
32	28 years.....	5	10	2	4	1	4	4	4	3	3
33	29 years.....	4	5	1	2	1	2	1	3	2	2
34	30 years.....	6	5	1	1	1	1	1	1	4	3
35	31 years.....	3	2	1	2	1	2	1	2	2	2
36	32 to 34 years.....	20	13	1	1	9	3	3	3	7	6
37	35 to 39 years.....	22	13	2	1	4	2	7	4	9	6
38	40 to 44 years.....	14	10	1	1	4	3	4	1	5	5
39	45 to 49 years.....	5	6	2	2	3	2	2	2	1	1
40	50 to 54 years.....	7	7	2	2	2	1	2	2	1	4
41	55 to 59 years.....	8	7	1	2	4	2	2	2	3	1
42	60 to 64 years.....	12	8	3	2	4	2	4	2	1	2
43	65 years and over.....	80	51	19	10	21	14	18	14	22	13
44	Unknown age.....	1	1	1	1	1	1	1	1	1	1
KANSAS, RURAL, GROUP 6. <sup>2</sup>											
45	All ages.....	221	240	34	33	72	66	54	59	61	82
46	Under 1 year.....	15	22	6	5	5	9	2	4	2	4
47	Less than 1 day.....	1	2	1	1	1	1	1	1	1	1
48	1 day.....	1	2	1	1	1	1	1	1	1	1
49	2 days.....	1	3	1	1	1	1	1	2	1	1
50	3 to 6 days.....	1	2	1	1	1	2	1	1	1	1
51	1 week.....	2	2	2	1	1	1	1	1	1	1
52	2 weeks.....	1	1	1	1	1	1	1	1	1	1
53	3 weeks.....	1	1	1	1	1	1	1	1	1	1
54	1 month.....	3	3	1	1	1	1	1	1	1	1
55	2 months.....	1	1	1	1	1	1	1	1	1	1
56	3 to 5 months.....	1	3	1	1	1	2	1	1	1	2
57	6 to 8 months.....	2	4	1	1	1	1	1	1	1	2
58	9 to 11 months.....	3	2	1	1	2	2	1	1	1	1
59	1 year.....	4	7	1	2	2	2	1	1	1	3
60	2 years.....	1	2	1	1	1	1	1	1	1	1
61	3 years.....	5	2	1	1	1	1	1	1	4	1
62	4 years.....	2	5	1	1	1	2	1	2	1	1
63	5 to 9 years.....	4	4	1	2	2	1	1	1	1	2
64	10 to 14 years.....	7	8	1	3	3	2	1	2	2	3
65	15 to 17 years.....	8	8	1	4	2	2	2	2	2	4
66	18 years.....	5	2	1	2	1	1	1	1	1	1
67	19 years.....	6	6	1	3	3	3	3	3	1	2

<sup>1</sup> Includes the following counties: Cloud, Ellsworth, Jewell, Lincoln, Mitchell, Republic, and Rice.

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[See note at head of this table, pp. 34, 35.]

<sup>2</sup> Includes the following counties: Brown, Doniphan, Marshall, Nemaha, and Washington.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 6 <sup>1</sup> —continued.											
1	20 years.....	6	5			1	1	3	3	2	1
2	21 years.....	3	8			2	1		2	1	5
3	22 years.....	2	1			1	1	1			
4	23 years.....	2	2			1	1			1	1
5	24 years.....	3	9	1	2	1	2		2	1	3
6	25 years.....	4	6			2	1	1	1	1	4
7	26 years.....	4	3				1	2	1	2	1
8	27 years.....	5	5	1				3	2	1	3
9	28 years.....	2	2			1		1	1		1
10	29 years.....	4	5			2	2	2	1		2
11	30 years.....	3	5	1	1		1	1		1	3
12	31 years.....	3	2	2		1			1	2	
13	32 to 34 years.....	17	6	1		6	4	4		6	2
14	35 to 39 years.....	10	10		2	4	1	1	2	5	5
15	40 to 44 years.....	8	7	2	1	2	2	3		1	4
16	45 to 49 years.....	3	5	1	1			1	1	1	3
17	50 to 54 years.....	5	8	1	1	3	3		2	1	2
18	55 to 59 years.....	4	12		1		2	2	2	2	7
19	60 to 64 years.....	11	7	6		3	4	1	1	1	2
20	65 years and over.....	65	67	14	14	19	17	14	22	18	14
21	Unknown age.....										
KANSAS, RURAL, GROUP 7. <sup>2</sup>											
22	All ages.....	285	312	42	45	76	84	68	65	99	118
23	Under 1 year.....	27	37	3	5	9	7	8	10	7	15
24	Less than 1 day.....	8	3	1		2		2	1	3	2
25	1 day.....		2		1						1
26	2 days.....	2						1		1	
27	3 to 6 days.....		4				2				2
28	1 week.....	1	3	1	1	1	1				1
29	2 weeks.....	2	2	1		1	1		1		
30	3 weeks.....	1				1					
31	1 month.....		1								1
32	2 months.....	1	4	1	1				3		
33	3 to 5 months.....	6	7		1	3	2	1	2	2	2
34	6 to 8 months.....	4	6	1				4	2		3
35	9 to 11 months.....	2	5			1	1		1	1	3
36	1 year.....	6	8	1			3	2	4	3	1
37	2 years.....	3	5		1	1	1		2	2	1
38	3 years.....	2	2			1				1	1
39	4 years.....		5						3		2
40	5 to 9 years.....	11	7			3	3	5	1	3	3
41	10 to 14 years.....	9	6			2	1	1	1	6	4
42	15 to 17 years.....	8	8	1	1	1	2	3		3	5
43	18 years.....	4	2			2	1	1		1	1
44	19 years.....	3	10			1	4	2	2		4
45	20 years.....	5	5	1			3	3		1	2
46	21 years.....	3	3			3	1				2
47	22 years.....	7	3	2		2	1	2		1	2
48	23 years.....	7	6	2		1		1	1	3	3
49	24 years.....	2	3	1			2			1	1
50	25 years.....	11	9		1	2	3	3	1	6	4
51	26 years.....	10	10	2	4		2	1	1	7	3
52	27 years.....	7	3	1		3			2	3	1
53	28 years.....	5	8			2	4	1	3	2	1
54	29 years.....	8	2			3	1	2	1	3	
55	30 years.....	8	5		1	3	1		1	5	2
56	31 years.....	6	7			1	2	1	1	4	4
57	32 to 34 years.....	8	14		2	4	6	3	2	1	4
58	35 to 39 years.....	19	24	1	5	6	2	5	4	7	13
59	40 to 44 years.....	7	11	1	2	1	4	2	1	3	4
60	45 to 49 years.....	8	6	1		3	2	3	2	1	2
61	50 to 54 years.....	5	9	1		3	2	1	2		5
62	55 to 59 years.....	10	13	3	2	3	6	1	1	3	4
63	60 to 64 years.....	12	10	3		3		1	4	5	2
64	65 years and over.....	63	70	18	17	13	18	16	14	16	21
65	Unknown age.....	1	1							1	1

<sup>1</sup> See note 2 on preceding page.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
5	4			1	1	2	3	2		1	1					1		1	1
3	7			2	1		2	1	4		1						1		2
1	1				1	1													3
1	1			1															4
2	6			1	1		2	1	3										5
4	4			2		1		1	4										6
4	3				1	2	1	2	1										7
5	4	1				3	1	1	3										8
2	2			1		1	1		1										9
2	2			1		1	1		1										10
2	4				1	1		1	3										11
2	1			1	1				1									1	12
12	6			4	4	2		6	2	1						1			13
9	5		1	4	1	1	1	4	2		1							1	14
4	5			1	2	2		1	3										15
2						1		1										1	16
1	3			1	1		1	1	1									1	17
1	3						1	1	2										18
	2				1				1										19
1	8				5	1	2		1	2	1	1	1			1			20
																			21
142	151	4	4	43	42	35	31	60	74	7	16			3	4	3	4	1	8
9	13			2	1	4	3	3	9	1	4			1	1		3		23
																			24
																			25
	1								1										26
	1						1												27
																			28
																			29
																			30
																			31
4	4			1	1	1	1	2	2	1	1			1			1		32
3	3					3			3					1			1		33
2	3			1				1	3		2				1				34
																			35
4	7				2	2	4	2	1	1								1	36
2	3			1	1			1	1										37
1	1							1	1		1						1		38
	3					2			1										39
7	3			2	2	4	1	1			1							1	40
8	6			2	1		1	6	4										41
7	6			1	2	3		3	4		1							1	42
4	2			2	1	1		1	1										43
3	6			1	2	2	1		3		2			1				1	44
																			45
3	3				1	2		1	2		1			1					46
2	1			2	1				1		1				1			1	47
5	3	1		2	1	1		1	2							1			48
4	6			1			1	3	3	1									49
1	2				2			1			1							1	50
11	6			2	2	3	1	6	3										51
9	7	1	1		2	1	1	7	3										52
5	2	1		2				1	2	1									53
5	7			2	3	1	3	2	1										54
5	2			3	1	1	1	1											55
7	4			3	1		1	4	2										56
5	6			1	1	1	1	3	4										57
6	11		1	4	5	1	1	1	4	1					1				58
14	15	1	2	4	1	4	3	5	9	2								2	59
5	5			1	1	2		2	4										60
3	5			1	2	1	1	1	2										61
1	6			1	1		1		4										62
2	3			1	1			1	2		2			1				1	63
1	1																		64
3	6			1	2	1	2	1	2	1				1					65
	1								1										

\* Includes the following counties: Clay, Geary, Jackson, Jefferson, Pottawatomie, Riley, and Wabaunsee.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 8. <sup>1</sup>											
1	All ages.....	380	334	36	37	103	107	94	71	147	119
2	Under 1 year.....	33	37	5	7	13	13	6	6	9	11
3	Less than 1 day.....	9	5	2	1	3	1	3	1	1	3
4	1 day.....	5	4	1	1	2	1	1	1	3	1
5	2 days.....	2	2	1	1	1	1	1	1	1	1
6	3 to 6 days.....	2	3	1	1	1	1	1	1	1	2
7	1 week.....	2	3	1	1	2	1	1	1	1	1
8	2 weeks.....	1	2	1	1	1	1	1	1	1	1
9	3 weeks.....	1	1	1	1	1	1	1	1	1	1
10	1 month.....	3	2	1	1	1	1	1	1	1	1
11	2 months.....	1	1	1	1	1	1	1	1	1	1
12	3 to 5 months.....	3	7	1	1	2	2	1	2	1	2
13	6 to 8 months.....	3	4	1	1	2	2	1	1	2	1
14	9 to 11 months.....	1	4	1	1	4	1	1	1	1	1
15	1 year.....	10	7	1	1	3	3	2	2	5	2
16	2 years.....	8	2	2	1	1	1	1	1	5	1
17	3 years.....	2	3	1	1	1	1	1	1	1	1
18	4 years.....	2	1	1	1	1	1	1	1	1	1
19	5 to 9 years.....	11	7	1	1	5	1	4	3	1	2
20	10 to 14 years.....	11	11	2	2	2	4	3	2	4	5
21	15 to 17 years.....	12	7	2	2	4	1	2	2	4	2
22	18 years.....	1	4	1	1	1	1	1	1	3	2
23	19 years.....	7	6	1	1	2	2	2	3	3	2
24	20 years.....	8	6	1	1	4	1	1	2	3	2
25	21 years.....	6	6	1	1	1	2	4	1	1	3
26	22 years.....	5	2	1	1	3	1	2	1	1	1
27	23 years.....	4	7	1	1	3	4	1	1	3	3
28	24 years.....	5	9	2	2	3	4	2	3	2	2
29	25 years.....	6	7	2	2	3	3	2	2	2	4
30	26 years.....	5	12	1	2	3	3	2	2	3	6
31	27 years.....	7	10	2	2	6	2	2	3	4	4
32	28 years.....	7	5	2	2	3	2	2	3	2	2
33	29 years.....	10	7	3	3	2	2	1	5	4	4
34	30 years.....	6	9	1	1	2	2	3	4	3	3
35	31 years.....	9	7	1	1	4	3	2	1	3	3
36	32 to 34 years.....	24	20	1	1	7	4	5	7	11	8
37	35 to 39 years.....	26	24	1	2	6	4	7	4	12	14
38	40 to 44 years.....	16	14	2	6	6	6	3	2	5	6
39	45 to 49 years.....	6	15	1	2	1	4	1	3	3	6
40	50 to 54 years.....	9	11	1	1	1	3	2	4	5	3
41	55 to 59 years.....	18	8	3	1	4	2	7	2	4	3
42	60 to 64 years.....	19	9	3	1	2	2	8	2	6	4
43	65 years and over.....	87	61	11	11	17	24	22	15	37	11
44	Unknown age.....										
KANSAS, RURAL, GROUP 9. <sup>2</sup>											
45	All ages.....	181	186	18	24	49	43	46	47	68	72
46	Under 1 year.....	14	15	3	1	1	6	6	2	4	6
47	Less than 1 day.....	2	3	1	1	1	1	1	1	1	1
48	1 day.....	1	1	1	1	1	1	1	1	1	1
49	2 days.....	1	1	1	1	1	1	1	1	1	1
50	3 to 6 days.....	2	1	1	1	1	1	1	1	1	1
51	1 week.....	2	1	1	1	1	1	1	1	1	1
52	2 weeks.....	2	1	1	1	1	1	1	1	1	1
53	3 weeks.....	2	1	1	1	1	1	1	1	1	1
54	1 month.....	2	1	1	1	1	1	1	1	1	1
55	2 months.....	1	2	1	1	1	1	1	1	1	1
56	3 to 5 months.....	1	2	1	1	1	1	1	1	1	1
57	6 to 8 months.....	2	2	1	1	1	2	1	1	1	1
58	9 to 11 months.....	2	2	1	1	1	1	1	1	1	1
59	1 year.....	5	5	1	1	1	1	1	1	5	3
60	2 years.....	2	2	1	1	1	1	1	1	2	1
61	3 years.....	4	4	1	1	1	1	1	1	3	3
62	4 years.....	1	3	1	1	1	1	2	1	1	1
63	5 to 9 years.....	4	9	1	1	2	2	3	2	4	4
64	10 to 14 years.....	3	7	1	1	1	2	2	2	4	4
65	15 to 17 years.....	9	5	1	1	4	1	2	2	3	2
66	18 years.....	3	5	1	1	1	3	2	2	2	2
67	19 years.....	1	3	1	1	1	1	1	1	1	1

<sup>1</sup> Includes the following counties: Dickinson, Harvey, McPherson, Marion, Ottawa, and Saline.

[See note at head of this table, pp. 34, 35.]

<sup>2</sup> Includes the following counties: Chase, Coffey, Lyon, Morris, and Osage.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 31, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 9 <sup>1</sup> —continued.											
1	20 years.....	3	1			1	1			2	
2	21 years.....		6				2		2		2
3	22 years.....	3	1		1	1				2	
4	23 years.....	2	3			1			1	1	2
5	24 years.....	6	1				1	2		4	
6	25 years.....	2	4			1	2			1	2
7	26 years.....	6	4				1	3	2	3	1
8	27 years.....	4	2	1			2	1		2	
9	28 years.....	3	6		1		2	2	2	1	1
10	29 years.....	5	4			2	1			3	3
11	30 years.....	5	4			1	1	1		3	3
12	31 years.....	1	4			1	1		1		2
13	32 to 34 years.....	11	7		1	3	4	4		4	2
14	35 to 39 years.....	17	11		1	8	1	3	3	6	6
15	40 to 44 years.....	5	3			3		1	1	1	2
16	45 to 49 years.....	6	7	1	2	1	2	1	2	3	1
17	50 to 54 years.....	6	10		3	2	2	2	2	2	3
18	55 to 59 years.....	6	8	1	1	3	1	2	4		2
19	60 to 64 years.....	8	10	1	1	4	2	2	5	1	2
20	65 years and over.....	40	32	10	10	10	5	7	6	13	11
21	Unknown age.....										
KANSAS, RURAL, GROUP 10. <sup>2</sup>											
22	All ages.....	371	313	45	33	91	86	100	65	135	129
23	Under 1 year.....	35	26	8	6	9	7	9	7	9	6
24	Less than 1 day.....	5	3	2		1		1	2	1	1
25	1 day.....	4	1		1	3		1			
26	2 days.....	1				1					
27	3 to 6 days.....	2	3		1		1	1		1	1
28	1 week.....	1	1				1	1			
29	2 weeks.....										
30	3 weeks.....		1						1		
31	1 month.....	1	1				1			1	
32	2 months.....	2	2		1				1	2	
33	3 to 5 months.....	3	9	1	3		2	2	2		2
34	6 to 8 months.....	9	2	4		2	1	1	1	2	1
35	9 to 11 months.....	7	3	1		2	1	2	1	2	1
36	1 year.....	17	6	1	1	5	1	6	1	5	3
37	2 years.....	6	9	2	1	1	4			3	4
38	3 years.....	3	5		1		1	3	3		
39	4 years.....	5	6			3	1	1	3	1	2
40	5 to 9 years.....	10	15	2			6	6	1	2	8
41	10 to 14 years.....	10	13			2	6	5	1	3	6
42	15 to 17 years.....	21	11	3	1	3	1	4	1	11	8
43	18 years.....	4	7			2		1	1	1	6
44	19 years.....	6	5		1	3	2		2	3	
45	20 years.....	10	9	1	1	1	4	3	2	5	2
46	21 years.....	7	4			3	1	1	1	3	2
47	22 years.....	6	5					1	2	5	3
48	23 years.....	5	4		1			2	3	3	
49	24 years.....	7	11			2	4	1	1	4	6
50	25 years.....	11	7	1		1	2	3	3	6	2
51	26 years.....	7	7	1	1	3		2	2	1	6
52	27 years.....	3	7				3	2	2	1	2
53	28 years.....	6	13	1			2	2	3	3	8
54	29 years.....	10	3		1	1		3		6	2
55	30 years.....	9	6			2	1		1	7	4
56	31 years.....	6		1	1	2	2	1		2	3
57	32 to 34 years.....	23	22			8	8	8	3	7	11
58	35 to 39 years.....	20	12	3	1	4	5	7	2	6	4
59	40 to 44 years.....	9	10			4	3	2	4	3	3
60	45 to 49 years.....	11	13		2	2	4	2	3	6	4
61	50 to 54 years.....	12	5		2	4	1	2	1	4	1
62	55 to 59 years.....	10	6	3		3	2	3	2	1	2
63	60 to 64 years.....	7	15	3	6	3		2	2	1	7
64	65 years and over.....	73	44	12	6	15	15	20	9	23	14
65	Unknown age.....	2	1	1		1			1		

<sup>1</sup> See note 2 on preceding page.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA,  
TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
3				1				2		1				1					
2	4			1	1		2	1											
1	2			1				1		1	1					1		1	
4	1			1		1		3		1						1			
2	3			1	1			2	2										
4	3				1	2	1	2	1	1	1					1	1		
3	2				1	2	1	2		1	2					1		1	
2	3				1														
5	4			2	1			3											
4	4			1	1	1			3	1								1	
1	4			1	1		1	2	2										
8	5			1	3	3		4	2		1				1				
12	7			5		2	1	5	6	1	1			1		1			
3	2			1		1		1	2		1					1			
1	3				1		1	1				1							
1	1				1			1	1		2		1				1		1
1	1					1													
2	3			1			2	1	1		1					1			
4	2		1					4	1	1		1							
197	160	1	1	46	44	59	31	91	84	14	25	3	2	3		6	11	5	9
9	3			3	1	4		2	2		2		1			1			
1						1													
1						1													
1	1				1	1				1						1			
3	1			2				1		1			1						
3	1			1		1		1	1										
13	4			4	1	5		4	3	2		1				1			
5	4	1		1	1			3	3		1							1	
3	3			1		3		2				1				1			
5	4			3		1	2	1	2		1			1					
5	7				2	4	1	1	4	1	2					1			2
8	8			1	5	4		3	3										
13	10			2	1	3	1	8	8	1								1	
4	5			2		1		1	5		1					1			
4	3			2	1		2	2											
8	6			1	3	3	2	4			1							1	
4	4			1	1			3	2										
4	4					1	1	3	3		1					1			
5	2		1			2	1	3											
6	10			1	4	1	1	4	5		1							1	
8	5			1	2	3	1	4	2	2	1					1	2		
5	3			2		2		1	3	1		1						1	
3	6				3	2	2	1	1		1							1	
3	8				1		1	3	6	1	3			1	1	2			
7	1			1		2		4	1		1							1	
8	6			1	1		1	7	4										
5	4			2	2	1		2	2										
20	15			6	5	7	2	7	8	1	3					1	1	1	
13	9			4	4	4	2	5	3									1	
7	6			3	1	2	3	2	2										
8	5			2	1	1	1	5	3	2	1					1	1	1	
3	1			1	1	1	1												
2	3			1					1										
	3								1										
9	7			1	2	2		6	5	2	1					1	1		
	1						1												

\* Includes the following counties: Butler, Chautauqua, Cowley, Elk, and Greenwood.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 11. <sup>1</sup>											
1	All ages.....	305	281	42	35	96	76	83	88	84	82
2	Under 1 year.....	33	7	5	1	11	2	6	4	11	
3	Less than 1 day.....	13	2	1	1	6		2	1	4	
4	1 day.....	2		1						1	
5	2 days.....					2					
6	3 to 6 days.....	2									
7	1 week.....	1								1	
8	2 weeks.....	2				1		1			
9	3 weeks.....										
10	1 month.....	1		1							
11	2 months.....	1								1	
12	3 to 5 months.....	4	2			1		2	2		
13	6 to 8 months.....	5	3	1		1	2	1	1	2	
14	9 to 11 months.....	2		1						1	
15	1 year.....	2	5		1		2		1	1	1
16	2 years.....	4	4	1	1	2		1	1	1	2
17	3 years.....	2	2				2	1		1	
18	4 years.....	1	1		1					1	
19	5 to 9 years.....	3	7	1			1	2		1	4
20	10 to 14 years.....	10	16	1		2	5	4	3	3	8
21	15 to 17 years.....	12	4			3	2	3	1	6	1
22	18 years.....	3	3	1		1		2	1		2
23	19 years.....	3	2		1	2				1	1
24	20 years.....	8	5	1		3	2	1	1	3	2
25	21 years.....	5	2	1	1	2	1			2	
26	22 years.....	4	6			2		2	2		4
27	23 years.....	5	5			5	1			3	1
28	24 years.....	6	7	1		4		1	5		2
29	25 years.....	4	5			1	2	1	3	2	
30	26 years.....	7	9			3	3	2	2	2	4
31	27 years.....	6	4				1	3	2	3	1
32	28 years.....	3	8	1		2	5		1		2
33	29 years.....	6	3			3	2	2	1	1	
34	30 years.....	10	5			3	2	3	2	4	1
35	31 years.....	6	5			2	2	3	1	1	2
36	32 to 34 years.....	20	19	2	2	4	5	7	5	7	7
37	35 to 39 years.....	17	19	1	2	9	5	5	6	2	6
38	40 to 44 years.....	7	9			5	2	1	6	1	1
39	45 to 49 years.....	12	16	1	3	3	4	4	4	4	5
40	50 to 54 years.....	10	9	1	2	3	2	3	2	3	3
41	55 to 59 years.....	7	11		3	1	1	2	5	4	2
42	60 to 64 years.....	15	16	4	5	2	4	5	4	4	3
43	65 years and over.....	72	67	21	12	17	18	19	20	15	17
44	Unknown age.....	2				1		1			
KANSAS, RURAL, GROUP 12. <sup>1</sup>											
45	All ages.....	426	371	45	48	140	105	116	98	125	120
46	Under 1 year.....	46	42	3	8	20	18	11	8	12	8
47	Less than 1 day.....	7	10	1	3	2	6	1		3	1
48	1 day.....	4	5		1	3	2	1			2
49	2 days.....	4				1		1		2	
50	3 to 6 days.....	1	1	1							
51	1 week.....	2	6		2	1	2				
52	2 weeks.....		1					1			2
53	3 weeks.....	2				1			1		
54	1 month.....	3	2			1		1			
55	2 months.....	1	4		1		1		1	2	
56	3 to 5 months.....	8	2			4		2	2	2	2
57	6 to 8 months.....	7	4	1	1	4	2	2	1		
58	9 to 11 months.....	7	7			3	4	2	3	2	
59	1 year.....	16	14	2	2	3	3	7	3	4	6
60	2 years.....	4	11	1	1		2	3	3		5
61	3 years.....	3	3		1		1	2	1		
62	4 years.....	5	1			2			1	3	
63	5 to 9 years.....	16	18	1	2	3	7	3		9	9
64	10 to 14 years.....	10	13		1	2	7		2	3	3
65	15 to 17 years.....	13	10			2	2	5	3	6	5
66	18 years.....	6	5		1	1		4	1	1	3
67	19 years.....	9	5		1	3	2	3	1	3	1

<sup>1</sup> Includes the following counties: Anderson, Franklin, Johnson, Linn, and Miami.



[See note at head of this table, pp. 34, 35.]

\* Includes the following counties: Allen, Cherokee, Neosho, Wilson, and Woodson.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 12 <sup>1</sup> —continued.											
1	20 years.....	7	7			3	2	4	4		1
2	21 years.....	5	5		2	2			1	3	2
3	22 years.....	4	7			2	2		5	2	
4	23 years.....	8	7			4	1		1	2	5
5	24 years.....	5	2			2		3			2
6	25 years.....	4	9	1		1	6	2	2		1
7	26 years.....	11	6	1	1	6	1	2	2	2	2
8	27 years.....	6	8	1		2	1	1	3	2	4
9	28 years.....	10	9			4	2	3	4	3	3
10	29 years.....	10	14			5	6	1	2	4	6
11	30 years.....	5	7			2	3	2	2	1	2
12	31 years.....	8	10	1		6	4	1	4		2
13	32 to 34 years.....	30	23	1	1	9	4	9	7	11	11
14	35 to 39 years.....	39	20	1	3	17	7	8	2	13	8
15	40 to 44 years.....	11	17		2	3	4	4	9	4	2
16	45 to 49 years.....	14	11		3	6	4	4	3	4	1
17	50 to 54 years.....	11	6	3		5		2	3	1	3
18	55 to 59 years.....	14	16	2	1	5	3	3	4	4	8
19	60 to 64 years.....	13	9	2	4	2	1	2	2	7	2
20	65 years and over.....	83	56	25	14	18	12	20	15	20	15
21	Unknown age.....										
KANSAS, RURAL, GROUP 13. <sup>2</sup>											
22	All ages.....	754	433	94	48	204	118	203	114	253	153
23	Under 1 year.....	52	35	4	6	17	12	14	7	17	10
24	Less than 1 day.....	10	10	1	1	3	5	1	3	5	1
25	1 day.....	4	2			3				1	2
26	2 days.....	1								1	
27	3 to 6 days.....	2	4		2	1	1	1			1
28	1 week.....	3	1	1	1					2	
29	2 weeks.....	3						2		1	
30	3 weeks.....	1	1			1			1		
31	1 month.....	3	1			1	1	1		1	
32	2 months.....	1	2						1	1	
33	3 to 5 months.....	6	8	1		4	4	1	1		3
34	6 to 8 months.....	6	2		1	2		3		1	1
35	9 to 11 months.....	12	4	1	1	2	1	5	1	4	1
36	1 year.....	18	15	3	1	4	5	5	7	6	2
37	2 years.....	7	9		1	3		1	5	3	3
38	3 years.....	14	4	1		3		3	1	7	3
39	4 years.....	3	5		1		1	2	2	1	1
40	5 to 9 years.....	6	20			1	4	2	6	3	10
41	10 to 14 years.....	19	11	1		11	2	3	4	4	5
42	15 to 17 years.....	22	14	4		5	3	5	4	8	7
43	18 years.....	12	7	1		4	2	3	2	4	3
44	19 years.....	18	9			9	4	4	3	5	2
45	20 years.....	11	9			4	2	2		5	7
46	21 years.....	11	10		2	3	2	5	2	3	4
47	22 years.....	5	10			1	2	3	3	1	5
48	23 years.....	10	11	1	2	1		2	4	6	5
49	24 years.....	7	9	1		3	2	3	3		4
50	25 years.....	22	7			7	1	8	3	7	3
51	26 years.....	8	5			3	1	3	2	2	2
52	27 years.....	14	6	1	1	2	2	3		8	3
53	28 years.....	14	12			4	3	3	5	7	4
54	29 years.....	13	9	1	3	3	3	5	2	4	1
55	30 years.....	17	9	1		5	2	5	4	6	2
56	31 years.....	15	11	1	2	3	3	6	1	5	5
57	32 to 34 years.....	39	24	3	1	13	9	12	6	11	8
58	35 to 39 years.....	51	27	2	1	16	4	20	9	13	13
59	40 to 44 years.....	45	23	3	2	13	9	12	4	17	8
60	45 to 49 years.....	20	12	3	1	3	1	8	5	6	5
61	50 to 54 years.....	26	12	4	2	5	5	6	2	11	3
62	55 to 59 years.....	30	7	5		8	1	6		11	6
63	60 to 64 years.....	30	12	4	4	6	3	7	2	13	3
64	65 years and over.....	193	79	50	17	44	30	40	16	59	16
65	Unknown age.....	2						2			

<sup>1</sup> See note 2 on preceding page.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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(ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
6	2			3		3	1		1	2						2			1
4	1			2				2	1		1					1			2
2	4			1	2		2		1		1					1			3
5	6			2		1	1	2	5	1						1			4
4	1			1		3			1	1				1				1	5
3	8			1	5	2	2		1		1				1				6
9	5			5	1	2	2	2	2	1				1					7
3	7			1	1		3	2	3	1	1					1		1	8
8	8			4	2	2	3	2	3	1								1	9
9	9			5	4	1	2	3	3		1							1	10
4	5			2	3	1		1	2	1	1					1	1		11
7	6			6	2		2	2	2										12
25	14			7	4	9	5	9	5		3					1		2	13
28	14		1	13	6	6	1	9	6	2	1			1				1	14
6	11			2	4	2	6	2	1										15
5	4			2	2	1	1	2	1										16
2	3			1		1	2		1		1							1	17
1	3			1	1				1		1							1	18
12	9			3		5	5	4	4		2				1			1	19
																			20
																			21
361	200	3	1	115	45	120	58	123	96	20	28	1		4	7	8	7	7	14
14	8			6	1	6	2	2	5	3				1		1		1	22
	1								1										23
																			24
																			25
																			26
1								1		1								1	27
																			28
																			29
	2						1		1										30
3	3			3	1				2	1				1					31
4				1		3			1										32
6	2			2		3	1	1	1	1					1				33
																			34
12	8			4	4	3	4	5		2						1		1	35
5	6			3		1	3	1	3										36
10	3			3		2		5	3										37
2	3				1	2	1		1										38
4	16			1	3	2	4	1	9	4				1		2		1	39
12	6			7	1	3	1	2	4	1								1	40
16	6	1		4	1	5	2	6	3	2	1			1	1		1		41
6	4			3	1		2	3	1	3	1					2		1	42
17	5			8	1	4	2	5	2	1				1					43
																			44
9	8			3	2	2		4	6		1							1	45
10	7			3	1		2	3	4		1			1					46
5	8			1	2	3	2	1	4		1							1	47
7	7			1		2	2	4	5										48
6	5			3	1	3	1		3		1					1			49
																			50
17	5			4	1	8	2	5	2	1	2					1	1	1	51
7	5			3	1	2	2	2	2										52
11	3			2	1	3		6	2		1							1	53
13	8			4	2	2	3	7	3		2					2	1		54
11	4	1		3	2	3	1	4	1	2	1								55
																			56
15	4			5		4	3	6	4		2			1				1	57
11	8			2	3	5	1	4	4		1					1			58
29	16			11	6	9	4	9	6	2	1							1	59
35	19			10	3	15	7	10	9		1			1					60
27	7			9	2	8	1	10	4	1	2			1	2				61
																			62
11	6			1		6	3	4	3	1								1	63
9	3			4	2	2		3	2										64
11	2			2		3		6	1		1								65
8	2		1	2		4		2	1							1			66
11	8			3	3	4	3	3	2	3	1	1				1	1		67

<sup>2</sup> Includes the following counties: Atchison (excluding Atchison), Bourbon (excluding Fort Scott), Crawford (excluding Pittsburg), Douglas (excluding Lawrence), Labette (excluding Parsons), Leavenworth (excluding Leavenworth), Montgomery (excluding Coffeyville and Independence), and Reno (excluding Hutchinson).



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER

[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 14. <sup>1</sup>											
1	All ages.....	220	201	34	21	67	55	32	49	87	76
2	Under 1 year.....	24	17	6	6	6	2	4	3	8	6
3	Less than 1 day.....	10	8	3	4	3	1	2		2	3
4	1 day.....	2		1				1			
5	2 days.....		3				1		1		1
6	3 to 6 days.....	4	1			1				3	1
7	1 week.....	1						1			1
8	2 weeks.....										
9	3 weeks.....										
10	1 month.....	1	1		1					1	
11	2 months.....		1					1			
12	3 to 5 months.....	1	1			1					1
13	6 to 8 months.....	1	1			1		1			
14	9 to 11 months.....	4	1	2	1					2	
15	1 year.....	4	5			1	4	1	1	2	
16	2 years.....	3	3		1	2	1	1	1	1	
17	3 years.....		5				2		2		1
18	4 years.....	2	2							2	2
19	5 to 9 years.....	4	6			1	3		1	3	2
20	10 to 14 years.....	8	2			5	1	1		2	1
21	15 to 17 years.....	5	6		1	1	3	1		3	2
22	18 years.....	2	3		1	1	1			1	1
23	19 years.....	3	1			3			1		
24	20 years.....		1						1		
25	21 years.....	2	6			1			1	1	5
26	22 years.....	1	1					1			1
27	23 years.....	2	5			2	2		1		2
28	24 years.....	2	6				3			2	3
29	25 years.....		4				1		2		1
30	26 years.....	3	3	1				1	2	1	1
31	27 years.....	3	6		1		1	2	2	1	2
32	28 years.....	3	3			1	2	1	1	1	
33	29 years.....	3	3			2	1		1	1	1
34	30 years.....	4	3			1	2	1	1	2	
35	31 years.....	2	2			2					2
36	32 to 34 years.....	8	8			3	1	3	2	4	5
37	35 to 39 years.....	10	16	5	2	6	6	2	3	5	5
38	40 to 44 years.....	13	20	3	1	4	4	1	6	5	9
39	45 to 49 years.....	10	9	2		1	1	2	3	5	5
40	50 to 54 years.....	11	11	1	2	4	3	1	2	5	4
41	55 to 59 years.....	13	6	4	1	3		1	2	5	3
42	60 to 64 years.....	17	5	5		3	3	2		7	2
43	65 years and over.....	48	33	7	5	14	8	7	10	20	10
44	Unknown age.....										

<sup>1</sup> Includes the following counties: Sedgwick (excluding Wichita), Shawnee (excluding Topeka), and Wyandotte (excluding Kansas City).

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[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
81	99	2	3	28	31	11	19	40	46	6	6	1			3	2		1	3
5	2		1	1				4	1										
1	1							1	1										
1	1		1					1											
1				1															
2								2											
4	4			1	3	1	1	2											
3	2			2	1		1	1											
4	4			1	1		2												
1	2							1	1										
3	4			1	2			2	2		1				1				
7	2			4	1														
5	5			1	3	1		3	2										
2	2			1	1			1	1										
1	5						1	1	4	1				1					
1																			
2	4			2	1		1	2											
1	5				2		1	1	3										
					1		2	1	1										
1	3																		
2	4		1				1	1	2	1						1			
2	2			1	2		1												
2	3			2	1				1										
4	3			1	2	1	1	2											
2	2			2				2	2		1								
6	6			2	1	2	1	2	4	1								1	
8	7	1		4	3	1		2	2										
7	6			3	2		1	4	3		3				1			2	
2	3						1		2	2	1			1					
2	6		1		1		1	2	3	1	1				1				
2	2						1		1		1							1	
6	6	1			1	1		4	5	1						1			

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1.—DEATHS, BY SEX AND AGE, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA FOR EACH MONTH FROM SEPTEMBER  
[See note at head of this table, pp. 34, 35.]

AREA AND AGE.		DEATHS FROM—									
		All causes.									
		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
PHILADELPHIA, PA.											
1	All ages.....	11,150	10,630	1,247	1,106	7,354	7,267	1,268	1,120	1,281	1,137
2	Under 1 year.....	1,084	878	189	168	519	447	207	141	169	122
3	Less than 1 day.....	109	83	18	13	48	48	23	7	20	15
4	1 day.....	42	43	9	7	22	20	7	8	4	8
5	2 days.....	47	23	7	5	26	8	7	6	7	4
6	3 to 6 days.....	51	39	11	7	21	19	11	9	8	4
7	1 week.....	66	53	8	9	35	24	12	9	11	11
8	2 weeks.....	40	30	4	4	16	13	10	7	10	6
9	3 weeks.....	36	21	5	4	13	5	14	8	4	4
10	1 month.....	99	76	20	10	27	20	33	26	19	20
11	2 months.....	86	53	18	15	27	16	14	14	27	8
12	3 to 5 months.....	200	152	43	41	91	68	35	20	31	23
13	6 to 8 months.....	145	142	22	25	88	99	20	12	15	6
14	9 to 11 months.....	163	163	24	28	195	107	21	15	13	13
15	1 year.....	439	411	37	46	329	302	45	31	28	32
16	2 years.....	250	249	19	11	198	199	20	22	13	17
17	3 years.....	134	155	7	9	90	114	19	19	18	13
18	4 years.....	136	142	12	9	102	103	15	20	7	10
19	5 to 9 years.....	338	350	34	23	254	284	26	23	24	20
20	10 to 14 years.....	213	243	19	23	155	192	23	15	16	13
21	15 to 17 years.....	230	238	23	21	179	186	18	21	10	10
22	18 years.....	115	137	10	12	95	116	6	5	4	4
23	19 years.....	116	133	7	11	98	104	4	13	7	5
24	20 years.....	106	192	16	13	79	162	5	10	6	7
25	21 years.....	143	175	20	10	109	146	5	8	9	11
26	22 years.....	148	249	18	13	114	203	8	19	8	14
27	23 years.....	149	255	4	22	127	213	9	11	9	9
28	24 years.....	188	296	13	18	161	256	10	15	4	7
29	25 years.....	225	302	24	21	186	253	9	15	6	13
30	26 years.....	279	301	20	16	233	260	12	14	14	11
31	27 years.....	278	279	24	12	225	230	11	17	18	14
32	28 years.....	303	359	22	15	252	316	13	11	16	17
33	29 years.....	293	245	24	8	242	216	11	15	16	6
34	30 years.....	298	287	25	14	247	239	12	16	14	18
35	31 years.....	267	210	19	17	232	176	10	6	6	11
36	32 to 34 years.....	806	575	53	33	689	485	30	24	34	33
37	35 to 39 years.....	1,028	689	75	63	794	514	81	50	78	62
38	40 to 44 years.....	639	469	53	55	416	311	75	48	95	55
39	45 to 49 years.....	599	441	83	61	347	248	79	70	88	62
40	50 to 54 years.....	454	408	86	56	293	212	88	71	77	69
41	55 to 59 years.....	430	340	59	47	182	154	88	71	101	68
42	60 to 64 years.....	440	343	72	56	153	144	86	70	119	73
43	65 years and over.....	1,019	1,279	178	223	341	476	233	249	267	331
44	Unknown age.....	3				3					



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[See note at head of this table, pp. 34, 35.]

DEATHS FROM—																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
6,766	6,308	354	249	5,852	5,595	275	265	285	199	324	538	26	34	229	425	26	45	43	34
361	308	18	20	252	239	42	26	49	23	27	37	7	6	14	21	5	6	1	4
3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	6	1	1	12	4	1	1	3	1	1	2	1	1	1	1	1	1	1	1
10	8	1	1	6	4	1	2	1	2	1	1	1	1	1	1	1	1	1	1
9	5	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	19	1	1	9	6	1	4	5	9	1	2	1	1	1	1	1	1	1	1
17	14	1	1	9	6	2	3	6	2	3	2	1	1	1	1	1	1	1	1
75	63	3	7	52	49	10	3	10	4	11	4	2	1	6	2	3	1	1	2
83	84	2	3	65	72	6	7	10	2	7	12	2	2	4	9	1	1	1	1
110	99	8	4	80	87	13	5	9	3	4	11	2	2	2	5	3	3	1	1
321	297	11	14	270	246	29	18	11	19	23	24	5	5	14	18	3	1	1	1
187	196	6	3	169	172	9	14	3	7	14	7	2	2	11	4	1	2	2	1
92	109	2	2	77	96	7	9	6	2	8	9	1	1	5	7	2	2	2	1
95	95	2	2	83	88	9	5	1	1	7	7	1	1	7	5	1	1	1	1
251	261	13	5	223	242	10	11	5	3	10	13	1	1	7	10	1	2	2	1
153	188	10	9	128	169	10	7	5	3	9	7	1	1	7	3	1	2	1	1
186	188	15	13	160	166	7	7	4	2	4	12	1	1	3	7	1	5	1	1
94	107	4	2	87	102	2	2	1	1	1	11	1	1	1	9	1	1	1	1
95	103	3	4	88	95	4	4	4	1	3	5	1	1	2	3	1	2	1	1
90	147	10	6	72	139	4	4	4	2	11	11	1	1	5	9	1	1	1	1
114	133	11	4	98	123	2	5	3	1	7	11	1	1	5	10	1	1	1	1
120	182	10	5	107	166	1	9	2	2	3	23	1	1	2	22	1	1	1	1
119	209	4	8	112	191	2	9	1	1	6	11	1	1	6	7	1	1	1	1
155	247	7	8	144	228	3	8	1	3	5	17	1	1	5	16	1	1	1	1
193	243	11	10	176	224	4	5	2	4	3	18	1	1	2	17	1	1	1	1
235	257	11	10	216	233	4	9	4	5	10	16	1	1	9	16	1	1	1	1
241	222	17	5	211	209	8	5	5	3	4	18	1	1	3	16	1	2	1	1
268	287	16	9	237	269	7	8	8	3	5	32	1	1	4	28	1	1	2	2
248	217	18	6	220	198	7	11	3	2	7	5	1	1	4	5	1	3	1	1
258	235	16	9	234	215	4	6	4	5	6	18	1	1	3	16	1	1	1	1
238	165	14	9	216	153	6	2	2	1	8	15	1	1	6	12	1	1	1	1
677	459	28	21	625	415	11	10	13	13	16	35	2	1	14	34	1	3	1	1
791	454	35	15	707	412	26	13	23	14	22	48	1	3	19	37	1	3	1	5
373	271	12	16	330	236	10	10	21	9	21	23	1	2	15	21	1	1	4	1
290	187	15	6	242	161	15	11	18	9	21	18	1	1	17	15	2	2	2	2
162	171	15	6	128	138	7	10	12	17	9	16	1	1	5	12	2	2	4	1
115	96	6	7	86	71	10	10	13	8	18	18	1	1	13	16	2	2	3	1
70	77	3	5	45	58	4	3	18	11	19	13	3	1	12	7	2	2	4	3
171	197	11	10	106	141	15	20	39	26	28	40	1	4	14	22	2	4	12	10
3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

(This table excludes the deaths of soldiers, sailors, and marines. The term "cities" indicates municipalities of 10,000 inhabitants or more. Per cents and rates of deaths numbering

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.								Influenza and pneumonia (all forms), contributory cause.							
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA (TOTAL).																	
1 All ages.....		44.1	43.7	6.9	4.8	51.1	49.8	50.9	49.6	50.1	50.6	3.6	6.6	1.9	3.0	3.7	6.9
2 Under 1 year.....		29.4	26.5	8.1	4.0	29.0	33.2	37.0	29.7	41.4	36.9	3.4	3.8	2.1	3.0	3.4	3.9
3 1 to 4 years.....		64.3	64.4	8.3	9.2	69.3	65.5	75.3	78.1	75.0	72.9	4.2	5.5	2.8	5.1	5.7	5.4
4 1 year.....		62.6	59.7	10.7	5.8	64.1	61.1	81.0	78.4	77.4	70.5	6.1	7.4	5.4	3.8	8.5	7.1
5 2 years.....		64.1	67.3		11.1	76.3	69.2	72.7	80.0	76.5	77.4	1.9	2.0		7.4	1.9	6.1
6 3 years.....		66.4	71.2	16.7	50.0	78.3	69.2	63.6	78.6	71.1	68.4	4.3	5.6		16.7	4.5	7.7
7 4 years.....		67.6	65.8	10.0		66.7	72.0	82.4	73.7	71.0	76.3	2.0	6.1			4.0	2.9
8 5 to 9 years.....		63.6	67.8	8.6	3.8	71.9	71.1	67.0	73.4	74.4	77.6	2.4	6.1		11.5	1.1	5.6
9 10 to 14 years.....		61.7	60.7	14.5		73.0	64.1	64.3	65.9	63.4	71.8	6.3	7.9	10.7	3.6	5.6	13.0
10 15 to 19 years.....		69.1	65.3	6.7	6.7	72.0	70.9	72.7	69.6	79.9	67.6	3.3	8.5		6.7	1.9	6.6
11 15 to 17 years.....		66.3	66.4	3.7	5.9	70.7	67.5	69.6	72.2	77.7	74.2	2.1	6.4		5.9		6.3
12 18 years.....		73.6	67.3	12.5	14.5	75.0	78.4	70.3	66.7	87.5	66.7	5.6	8.7		14.3	5.0	2.7
13 19 years.....		71.1	61.3	10.0		71.4	70.6	82.4	66.7	77.1	57.5	3.6	12.6			2.9	11.8
14 20 years.....		76.7	69.5	16.7	25.0	74.4	81.4	84.6	70.0	82.9	63.0	1.7	7.1			2.3	4.7
15 21 to 24 years.....		70.9	65.5	15.0	21.9	75.8	69.5	72.9	66.3	72.0	67.4	5.3	12.7			5.2	13.9
16 21 years.....		71.4	65.3	53.5	16.7	76.3	64.8	75.0	80.0	69.0	59.2	4.8	13.2			2.6	16.7
17 22 years.....		65.0	66.7		25.0	69.4	71.9	79.2	68.2	57.1	65.9	6.0	12.0			11.1	14.0
18 23 years.....		76.1	65.0	53.5		75.0	68.0	84.6	61.0	74.3	72.6	5.4	11.9			3.6	14.0
19 24 years.....		70.2	65.2		36.4	80.4	72.6	58.3	59.3	79.3	69.6	5.8	13.5			3.9	11.3
20 25 to 29 years.....		76.5	70.6	16.7	8.9	80.3	76.7	78.8	70.4	81.8	73.6	4.8	11.7	2.1	15.6	3.7	10.6
21 25 years.....		79.4	69.9	44.4	18.2	81.6	77.3	80.5	67.5	84.2	77.6	4.8	11.0	11.1	27.5		9.1
22 26 years.....		68.7	70.9			69.8	72.6	71.4	72.9	73.5	74.6	2.7	12.6			6.7	13.7
23 27 years.....		76.0	67.5	16.7	8.5	84.4	72.1	75.0	72.0	80.0	70.1	6.3	17.3			25.0	1.6
24 28 years.....		70.6	71.3	9.1		82.2	81.5	79.6	65.9	81.0	74.6	4.6	7.6			11.1	5.6
25 29 years.....		81.5	73.7	10.0	16.7	81.8	82.4	86.0	73.9	91.5	71.7	5.2	9.2			4.5	7.8
26 30 to 34 years.....		75.7	69.6	7.1	12.8	81.8	75.4	79.7	73.0	76.3	71.3	4.3	9.1	4.8	2.1	4.7	7.3
27 30 years.....		78.3	78.0	20.0		86.7	86.6	81.8	79.3	75.0	80.0	3.8	7.3			1.7	6.0
28 31 years.....		75.7	64.2		14.5	85.7	55.0	70.7	72.7	74.4	71.7	4.4	7.3			4.1	7.5
29 32 to 34 years.....		74.7	67.7	5.4	13.8	78.9	75.9	81.2	70.4	77.2	68.1	4.4	10.3	6.9	3.4	6.0	7.8
30 35 to 44 years.....		59.6	48.8	10.2	6.1	67.0	54.0	62.6	51.6	64.9	58.2	4.3	9.2	3.7	1.7	3.1	11.0
31 35 to 39 years.....		66.6	55.7	9.8	3.8	73.4	59.6	69.4	54.3	73.5	62.3	4.4	11.4	4.9	3.8	3.5	13.9
32 40 to 44 years.....		48.9	41.6	10.6	8.1	55.6	45.3	52.3	47.9	52.6	51.3	4.1	6.1	2.1		2.4	6.6
33 45 to 54 years.....		28.1	29.8	7.0	5.0	35.8	35.1	31.2	32.0	32.5	37.6	3.9	5.2	1.4	1.7	5.4	5.4
34 45 to 49 years.....		30.9	32.9	7.2	3.8	35.4	38.8	36.9	32.9	36.2	42.9	4.0	4.2	1.4	1.9	5.3	5.8
35 50 to 54 years.....		25.0	27.2	6.8	6.0	36.3	32.4	24.4	31.2	28.9	32.4	3.7	6.2	1.4	1.5	5.5	6.7
36 55 to 64 years.....		15.2	14.8	2.4	1.3	15.1	17.6	16.1	17.2	23.9	20.8	3.5	3.6	1.2	1.3	3.7	3.1
37 55 to 59 years.....		17.6	14.3	5.9		14.3	16.3	19.8	16.0	22.2	22.8	2.6	4.9	1.5		4.4	3.5
38 60 to 64 years.....		13.5	15.2			15.7	18.7	13.1	18.2	21.7	18.6	4.1	2.4	1.0	2.6	3.1	2.8
39 65 years and over.....		10.0	12.6	4.8	2.4	10.3	15.6	13.3	13.9	11.5	16.3	2.0	2.9	1.2	2.1	2.7	2.8
40 Unknown age.....		25.0	50.0			40.0		50.0	50.0								
INDIANA CITIES.																	
41 All ages.....		49.2	46.7	10.1	7.7	56.9	53.4	56.7	51.9	52.8	52.3	3.1	6.2	2.5	3.6	3.3	5.8
42 Under 1 year.....		31.3	30.6	8.8	8.5	34.1	40.3	41.2	31.6	39.3	39.1	2.4	2.8	2.9	3.2	0.7	1.5
43 1 year.....		65.6	67.7	14.5		66.2	69.2	84.2	80.5	76.7	65.5	5.1	6.0			6.2	7.7
44 2 years.....		72.0	64.3		22.2	89.3	63.2	76.3	84.2	76.5	65.2	1.1	2.9			11.1	5.3
45 3 years.....		66.1	71.9	25.0		82.6	83.3	57.1	69.6	64.5	58.3	5.1	5.3			4.5	5.6
46 4 years.....		59.5	56.8			63.6	73.3	80.0	84.6	60.0	33.5						
47 5 to 9 years.....		60.4	58.5	11.8		72.3	60.0	58.7	69.0	70.6	66.7	3.5	6.9			14.5	2.1
48 10 to 14 years.....		56.2	52.1	21.4		68.0	62.5	66.7	59.3	55.2	70.0	2.2	8.3			7.1	5.9
49 15 to 17 years.....		60.0	62.9			60.7	53.8	64.7	66.7	79.3	85.7						
50 18 years.....		71.8	60.5		25.0	71.4	69.2	75.0	58.3	85.7	64.3						
51 19 years.....		75.8	66.7			57.1	66.7	100.0	60.0	80.0	85.7						
52 20 years.....		63.9	64.6		25.0	61.5	78.3	100.0	69.6	64.3	56.3	5.6	11.0			7.7	4.5
53 21 years.....		71.1	62.3	66.7		82.4	71.4	63.6	78.9	57.1	52.0	6.3	11.6				
54 22 years.....		72.7	71.4		50.0	80.0	85.2	88.9	68.2	50.0	57.9	3.0	7.1			6.7	3.7
55 23 years.....		78.0	69.9	50.0		73.3	68.2	85.7	70.0	75.0	83.3					15.8	10.0
56 24 years.....		73.3	67.5		50.0	81.0	74.1	61.5	61.8	80.0	75.0	4.4	12.0			4.8	11.1
57 25 years.....		80.6	68.4	53.5	14.5	78.6	78.9	83.3	66.7	94.4	78.3	1.6	10.5			42.9	10.5
58 26 years.....		70.0	77.3			67.9	86.1	72.0	66.7	82.6	82.4	1.5	8.2			3.6	8.3
59 27 years.....		80.7	72.9	50.0	20.0	87.8	75.9	72.7	73.9	81.0	76.9	5.7	13.5			40.0	2.4
60 28 years.....		76.0	68.5	12.5		82.9	86.7	80.6	63.0	81.3	64.5	5.2	7.6			7.5	17.2
61 29 years.....		82.2	77.0	16.7	33.3	78.1	82.8	92.3	72.0	92.3	80.0	3.3	11.5			3.1	10.3
62 30 years.....		76.1	77.3	28.6	25.0	86.1	89.7	83.8	66.7	65.5	82.1	4.6	10.2			2.8	6.9
63 31 years.....		76.6	71.0			82.1	68.4	76.5	70.0	81.3	76.2	3.1	8.1			3.6	6.3
64 32 to 34 years.....		79.4	67.6	9.1	18.8	78.5	75.3	87.3	69.5	82.6	69.1	2.4	9.7			5.4	6.8
65 35 to 39 years.....		64.5	57.2			70.2	67.6	65.5	53.4	72.3	62.7	5.0	7.9			4.0	9.9
66 40 to 44 years.....		53.8	42.9	16.7	16.0	64.5	41.1	52.9	52.4	55.9	49.2	3.0	4.9			1.5	7.1
67 45 to 49 years.....		39.0	31.8	12.9	7.4	44.4	34.2	48.0	40.0	40.5	40.5	3.4	5.0	3.2		5.6	2.6
68 50 to 54 years.....		28.0	29.7	2.9	5.3	41.3	39.1	26.3	27.8	34.9	39.1	3.1	5.7			3.3	6.5
69 55 to 59 years.....		16.7	16.8	10.7		17.8	20.5	19.0	17.6	23.5	23.3	0.7	3.4			2.3	2.4
70 60 to 64 years.....		14.2	14.5			16.7	15.4	19.1	19.4	18.9	14.7	4.4	3.8			2.4	2.4
71 65 years and over.....		12.9	13.6	7.9	0.8	11.3	16.0	17.9	17.4	13.8	16.8	2.7	2.9	2.4	2.5	4.6	3.3
72 Unknown age.....		25.0	50.0					100.0	50.0								



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918.

in 1910, smaller places being included in the "rural districts." The cities shown are those which had a population of 25,000 or more in 1910. less than 5 are shown in *italics*.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
891.0	881.9	85.1	55.2	1,239.1	1,189.0	1,100.0	1,072.5	1,130.9	1,200.9	72.2	134.0	23.4	35.0	89.6	164.4	88.5	143.7	87.2	191.5
3,124.4	2,324.5	773.9	332.8	3,703.0	3,460.2	3,462.0	2,412.7	4,530.3	3,057.8	359.4	336.4	203.7	249.6	433.3	402.3	407.3	416.0	393.9	281.6
1,316.6	1,321.7	93.0	96.5	1,898.6	1,555.5	1,735.6	2,069.2	1,528.9	1,565.9	86.1	113.0	31.0	53.6	139.9	134.8	124.0	128.7	50.0	134.8
2,445.1	2,277.6	264.9	137.3	3,885.5	3,055.2	2,825.3	3,479.2	2,775.4	2,435.3	238.0	280.5	132.4	91.6	512.4	334.2	176.6	366.2	128.1	309.9
1,308.8	1,404.2	.....	126.4	1,760.8	1,467.0	1,911.8	2,359.3	1,526.0	1,670.7	39.7	41.3	.....	84.3	.....	40.7	161.8	.....	.....	40.7
924.3	916.0	81.1	126.0	1,412.0	1,096.7	1,135.4	1,385.8	1,059.0	1,056.0	59.6	72.0	.....	42.0	78.4	121.9	121.7	.....	59.2	121.9
682.9	769.8	40.4	.....	703.1	729.1	1,130.7	1,172.6	859.3	1,174.7	19.8	71.8	.....	.....	.....	40.5	167.5	.....	59.1	81.0
393.6	433.6	25.8	8.8	531.6	547.6	506.7	610.4	506.7	564.7	14.7	39.0	.....	26.5	8.3	42.8	25.8	53.1	24.9	34.2
363.5	394.1	35.7	.....	561.8	521.3	402.1	511.6	449.4	539.0	37.2	51.5	26.8	9.1	43.2	106.0	44.7	54.8	54.6	35.3
776.7	660.9	26.4	18.0	962.2	933.4	959.6	847.8	1,149.5	837.4	36.7	86.2	.....	18.0	26.5	87.2	70.4	126.3	51.1	113.4
677.0	581.2	14.8	15.2	828.6	793.9	812.4	790.4	1,042.9	720.4	21.7	55.9	.....	16.2	.....	73.5	44.5	106.4	42.9	29.4
962.0	729.7	42.7	42.5	1,238.0	1,193.0	1,109.3	680.5	1,444.4	987.3	73.2	93.8	.....	42.5	82.5	41.1	128.0	127.6	82.5	164.6
884.0	829.1	44.5	.....	1,076.8	1,075.7	1,246.9	1,204.8	1,162.9	1,030.9	43.7	170.4	.....	.....	43.1	179.3	89.1	155.4	43.1	313.7
969.0	1,042.1	44.4	43.4	1,375.0	1,468.8	977.4	1,214.8	1,460.9	1,426.8	21.8	106.3	.....	.....	43.0	83.9	.....	173.5	43.0	167.9
791.4	1,196.8	34.4	82.6	1,284.8	1,768.3	984.8	1,439.0	852.8	1,483.1	58.9	231.3	.....	.....	88.6	333.7	68.7	294.9	77.5	273.8
822.8	1,096.0	89.5	47.6	1,255.5	1,610.5	1,074.3	1,522.4	865.9	1,196.4	54.9	221.5	.....	.....	43.8	414.1	89.5	190.3	86.6	276.1
585.1	1,139.8	.....	93.0	1,110.2	1,844.2	872.3	1,395.2	355.3	1,214.5	45.0	205.2	.....	.....	177.6	359.9	.....	232.5	.....	224.9
782.3	1,177.0	45.6	.....	926.2	1,518.5	1,003.2	1,154.4	1,146.7	2,009.8	55.9	215.0	.....	.....	44.1	312.6	.....	323.2	176.4	223.3
979.2	1,379.9	.....	194.2	1,864.1	2,112.6	987.1	1,698.8	1,045.7	1,502.3	80.6	285.5	.....	.....	90.9	328.6	188.0	436.8	46.5	375.6
1,483.4	1,603.1	79.3	40.9	2,261.2	2,283.6	1,763.3	1,778.4	1,810.9	2,283.6	92.3	265.5	9.9	71.5	105.4	316.3	168.4	296.4	86.2	375.7
1,161.4	1,328.4	189.6	95.1	1,420.9	1,563.6	1,563.8	1,901.9	1,466.7	1,747.5	69.7	209.8	47.4	142.6	.....	184.0	142.2	285.3	91.7	229.9
1,202.2	1,678.2	.....	.....	1,704.3	2,489.6	1,428.7	1,699.8	1,658.3	2,489.6	46.7	297.6	.....	.....	198.2	469.7	.....	194.3	46.1	516.7
1,647.0	1,723.8	101.1	52.9	2,639.1	2,506.3	1,667.4	1,903.8	2,150.3	2,404.0	136.2	440.7	.....	.....	158.6	664.9	404.2	317.3	97.7	613.8
1,571.3	1,623.9	47.8	.....	2,776.7	2,573.1	1,866.0	1,455.7	1,573.5	2,427.5	93.8	172.2	.....	.....	50.2	185.1	43.6	96.7	401.6	194.2
1,903.4	1,691.6	55.1	57.5	2,876.9	2,336.5	2,368.5	1,955.6	2,290.8	2,392.2	121.5	211.4	.....	.....	159.8	222.5	220.3	287.6	106.6	333.8
1,736.1	1,605.1	34.5	71.2	2,490.5	2,145.9	2,380.4	2,032.5	2,025.6	2,134.4	98.2	209.4	22.9	11.9	143.9	206.6	91.6	213.5	132.8	401.6
1,679.6	1,809.7	95.2	49.6	2,393.6	2,780.1	2,569.9	2,279.6	1,657.1	2,109.0	81.6	170.0	.....	.....	46.0	191.7	95.2	143.7	184.1	335.5
1,650.1	1,436.4	.....	66.6	2,655.4	1,417.2	1,895.6	2,131.2	2,023.1	2,125.8	96.1	163.2	.....	.....	126.4	193.3	130.7	266.4	126.4	193.3
1,785.2	1,572.6	19.6	81.5	2,481.0	2,108.1	2,447.6	1,935.1	2,078.0	2,147.5	105.6	239.6	39.2	20.4	189.4	216.7	78.3	224.1	113.6	492.5
1,027.7	737.5	69.3	47.2	1,449.4	959.2	1,265.6	769.1	1,315.5	1,161.5	74.1	138.9	25.2	13.5	67.6	195.8	107.0	107.9	97.4	234.9
1,310.2	896.1	71.0	25.3	1,921.8	1,211.5	1,584.8	873.0	1,647.2	1,456.3	87.0	189.2	.....	.....	55.5	91.5	281.5	106.4	126.5	114.4
706.2	556.2	67.3	72.3	911.7	671.1	902.2	650.5	1,093.7	824.9	59.4	81.5	13.5	.....	39.1	97.9	107.7	86.7	91.1	139.8
398.6	426.1	79.7	52.4	562.9	549.3	470.4	419.4	478.1	676.1	54.7	75.0	15.9	17.5	84.8	84.5	39.9	52.4	77.1	143.7
450.3	413.0	78.5	33.0	607.6	495.3	596.8	396.5	516.5	719.0	57.7	52.6	15.7	16.5	91.1	47.9	47.1	49.6	76.0	95.9
345.3	440.9	81.0	74.2	516.8	609.9	340.0	445.1	438.5	627.9	51.6	100.0	16.2	18.5	78.3	125.6	32.4	55.6	78.3	197.3
373.2	338.7	48.0	26.8	382.7	441.2	419.7	402.5	637.8	480.1	85.2	82.2	.....	.....	24.0	26.8	92.8	77.9	107.9	67.1
326.0	279.0	87.2	.....	274.1	328.0	414.3	290.7	527.2	492.0	48.1	95.0	.....	.....	84.4	70.3	43.6	72.7	42.2	234.3
430.9	412.8	.....	60.2	515.3	581.8	426.2	541.4	773.0	465.4	130.6	66.3	.....	.....	26.6	60.2	103.1	87.3	186.5	58.2
763.7	970.1	357.8	160.3	778.7	1,286.5	924.4	1,009.6	995.0	1,410.5	149.8	219.9	89.5	144.2	201.9	232.5	89.5	208.3	216.3	294.5
365.8	476.9	.....	.....	962.5	.....	497.6	1,945.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
1,143.6	1,066.6	132.7	94.1	1,673.3	1,496.6	1,464.6	1,272.1	1,294.9	1,391.5	71.3	142.6	32.6	43.4	96.8	161.1	83.8	173.8	72.1	191.4
4,232.0	3,650.8	1,102.2	1,001.4	5,448.7	6,295.9	5,143.5	3,129.5	5,211.8	4,116.6	330.2	337.5	367.4	376.5	118.5	242.2	489.9	500.7	355.4	242.2
1,790.5	1,604.7	126.0	228.0	2,863.0	2,331.6	2,676.6	2,475.8	1,492.4	1,386.3	92.6	119.8	94.5	82.6	152.3	189.0	94.5	97.7	30.5	157.5
579.9	517.1	54.4	.....	894.3	563.9	734.3	805.1	631.3	698.1	33.3	61.2	.....	55.5	26.3	53.7	81.6	83.9	26.3	53.7
349.1	345.8	85.5	.....	468.4	546.0	398.8	451.6	440.8	382.2	14.0	55.3	28.5	28.2	.....	81.9	.....	84.7	27.6	27.8
663.2	558.0	.....	25.6	780.2	692.8	780.6	690.7	1,082.2	816.5	.....	62.7	.....	.....	.....	74.2	.....	127.9	.....	49.5
669.0	1,477.7	.....	113.8	918.3	1,980.6	712.1	1,820.2	1,033.1	1,980.6	58.2	250.9	.....	.....	114.8	110.0	.....	455.1	114.8	440.1
852.8	1,396.1	84.9	113.9	1,478.1	1,928.3	1,159.9	1,851.3	684.3	1,680.4	34.7	209.4	.....	.....	54.7	275.5	56.6	313.3	27.4	247.9
1,835.7	1,937.4	138.7	72.5	2,795.0	2,759.1	2,381.1	2,079.1	2,012.4	2,805.9	85.0	272.5	.....	120.9	134.2	304.0	161.8	338.5	44.7	327.4
2,183.6	1,792.2	80.5	141.7	3,296.5	2,577.0	3,032.5	2,069.1	2,310.1	2,357.7	85.5	243.1	.....	.....	181.7	219.3	53.7	311.8	108.8	438.6
1,365.6	881.8	144.5	68.5	2,112.2	1,176.6	1,461.2	908.0	1,723.9	1,358.8	94.4	113.4	32.1	.....	93.2	182.3	144.5	68.5	108	



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA RURAL DISTRICTS.																					
1	All ages.....	40.5	41.6	4.9	3.0	46.6	47.1	46.6	48.1	48.4	49.4	3.9	6.9	1.5	2.7	4.0	7.7	4.7	6.3	4.5	8.7
2	Under 1 year.....	28.0	23.2	7.6	.....	25.4	26.2	33.6	28.4	42.8	35.3	4.1	4.7	1.6	2.9	5.3	6.2	4.7	5.2	4.2	4.2
3	1 year.....	60.4	51.6	8.0	2.4	62.3	54.1	78.0	76.8	77.8	73.5	6.8	8.2	.....	4.9	10.4	6.6	9.8	10.7	3.7	10.2
4	2 years.....	57.5	68.9	.....	5.6	64.5	72.7	67.9	78.4	76.5	86.7	2.7	1.5	.....	5.6	.....	10.7	.....	.....	3.3	3.3
5	3 years.....	66.7	70.6	12.5	.....	73.9	57.1	69.6	89.5	74.1	73.1	3.7	5.9	.....	50.0	4.3	9.5	4.3	.....	3.7	3.8
6	4 years.....	73.3	71.4	25.0	.....	68.8	70.0	84.2	68.0	76.2	89.7	3.5	7.1	.....	.....	10.0	5.3	12.0	4.8	3.4	3.4
7	5 to 9 years.....	66.7	75.2	5.6	8.3	71.4	73.2	76.2	76.9	77.1	87.0	1.5	5.5	.....	8.3	.....	5.5	.....	5.8	4.2	4.3
8	10 to 14 years.....	64.4	64.9	7.1	.....	75.0	65.0	63.3	69.0	67.9	72.3	8.3	7.7	14.3	.....	7.8	15.0	10.2	6.2	6.7	4.6
9	15 to 17 years.....	69.0	67.6	6.3	10.0	75.9	70.1	71.0	74.5	76.9	68.9	3.0	7.5	.....	10.0	.....	7.5	4.8	9.8	4.6	4.4
10	18 years.....	74.4	72.1	20.0	.....	76.9	83.3	69.0	75.0	88.5	68.2	8.1	8.2	.....	33.3	7.7	4.2	10.3	8.3	7.7	9.1
11	19 years.....	69.1	59.0	14.3	.....	75.0	75.0	71.4	69.0	76.0	51.5	4.9	13.3	.....	.....	3.6	6.3	9.5	10.3	4.0	21.2
12	20 years.....	82.5	76.3	33.3	.....	80.0	85.0	80.0	70.6	92.6	72.7	.....	1.7	.....	.....	.....	5.0	.....	.....	.....	.....
13	21 years.....	71.6	68.0	.....	50.0	71.4	60.6	81.0	81.0	72.7	68.4	4.6	14.7	.....	.....	4.8	18.2	4.8	9.5	4.5	15.8
14	22 years.....	59.6	62.5	.....	16.7	61.9	60.0	73.3	68.2	66.7	72.7	6.4	16.3	.....	.....	14.3	23.3	.....	9.1	.....	18.2
15	23 years.....	73.8	60.9	.....	.....	76.5	71.0	80.0	52.4	73.9	62.5	11.9	13.8	.....	.....	7.7	12.9	.....	23.8	17.4	9.4
16	24 years.....	68.4	63.2	.....	20.0	80.0	71.4	56.5	56.0	78.9	66.7	6.6	14.7	.....	.....	3.5	11.4	13.0	20.0	5.3	16.7
17	25 years.....	78.1	71.3	66.7	25.0	83.3	76.0	76.5	68.8	75.0	76.9	7.8	11.5	33.3	.....	.....	8.0	11.8	15.6	10.0	11.5
18	26 years.....	67.1	64.7	.....	.....	72.0	59.5	70.6	79.2	65.4	67.6	4.3	16.7	.....	.....	8.0	18.9	.....	4.2	3.8	24.3
19	27 years.....	71.3	62.4	.....	.....	78.3	69.2	77.3	70.4	79.4	60.7	6.9	20.8	.....	14.3	.....	20.5	18.2	18.5	5.9	25.0
20	28 years.....	77.2	74.2	.....	.....	81.3	77.1	77.8	70.6	80.8	83.3	3.8	7.5	.....	20.0	3.1	2.9	5.6	17.6	3.8	5.6
21	29 years.....	80.7	69.7	.....	.....	85.3	81.8	79.2	76.2	90.5	63.3	7.2	6.6	.....	.....	6.9	4.5	12.5	4.8	4.8	10.0
22	30 years.....	81.3	78.6	.....	.....	87.5	84.2	79.3	90.3	89.5	77.8	2.7	4.9	.....	.....	.....	5.3	6.9	.....	.....	11.1
23	31 years.....	75.0	58.7	.....	.....	90.5	42.9	66.7	75.0	70.4	68.0	5.6	6.7	.....	.....	4.8	9.5	4.2	8.3	7.4	4.0
24	32 to 34 years.....	69.9	67.9	.....	7.7	79.5	76.5	74.7	71.1	72.5	67.4	6.5	10.8	11.1	7.7	6.8	8.8	4.0	6.6	7.5	16.3
25	35 to 39 years.....	68.6	51.3	5.4	5.6	77.1	53.7	72.5	55.1	74.7	62.0	3.8	14.0	6.9	5.6	2.9	16.8	5.7	8.7	4.2	17.6
26	40 to 44 years.....	43.1	40.4	4.3	2.7	42.0	50.0	51.7	44.2	49.3	53.7	5.4	7.3	.....	.....	4.0	6.0	6.7	11.5	7.2	9.3
27	45 to 49 years.....	23.8	33.7	2.6	.....	27.1	42.9	26.4	27.9	32.7	44.1	4.5	5.1	.....	4.0	5.1	4.8	5.7	4.7	6.8	5.9
28	50 to 54 years.....	22.5	25.1	10.0	8.1	31.1	27.1	22.9	34.1	24.1	27.4	4.3	6.5	2.6	.....	4.4	10.2	4.2	.....	5.6	11.3
29	55 to 59 years.....	18.2	12.3	2.6	.....	15.8	11.9	20.4	14.6	20.3	22.4	3.8	6.1	2.5	.....	7.0	4.8	1.9	4.9	3.4	14.3
30	60 to 64 years.....	13.1	15.6	.....	.....	15.3	20.6	9.3	17.6	23.5	21.2	3.9	1.7	.....	.....	3.5	2.9	5.3	1.5	5.9	1.9
31	65 years and over.....	8.9	12.1	3.8	3.0	9.9	15.4	11.3	12.3	10.5	16.1	1.7	2.8	0.8	2.0	1.9	2.6	1.2	2.9	2.6	3.7
32	Unknown age.....	25.0	.....	.....	.....	50.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
INDIANAPOLIS, IND.																					
33	All ages.....	41.0	45.0	11.0	8.3	54.9	52.8	52.2	48.1	41.9	50.5	3.6	4.7	1.2	4.2	3.7	3.7	4.1	6.1	4.4	4.9
34	Under 1 year.....	22.2	27.8	3.6	11.8	31.4	32.0	28.6	22.2	75.5	42.1	2.0	2.6	3.6	.....	.....	4.8	5.6	.....	5.9	5.9
35	1 year.....	69.0	72.2	.....	.....	57.1	55.6	100.0	100.0	83.3	66.7	6.9	5.6	.....	.....	14.3	11.1	.....	.....	.....	.....
36	2 years.....	77.8	58.8	.....	.....	100.0	50.0	83.3	80.0	60.0	60.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	3 years.....	84.6	81.8	.....	.....	80.0	66.7	83.3	83.3	100.0	100.0	7.7	.....	.....	.....	20.0	.....	.....	.....	.....	.....
38	4 years.....	60.0	50.0	.....	.....	100.0	60.0	100.0	66.7	66.7	.....	.....	7.1	.....	.....	.....	.....	16.7	.....	.....	.....
39	5 to 9 years.....	60.5	42.4	33.3	.....	71.4	44.4	58.8	33.3	60.0	61.5	2.6	12.1	.....	20.0	.....	.....	5.9	33.3	.....	7.7
40	10 to 14 years.....	67.9	65.0	40.0	.....	71.4	72.7	85.7	50.0	66.7	100.0	.....	15.0	.....	.....	.....	9.1	.....	33.3	.....	.....
41	15 to 17 years.....	55.0	62.5	.....	.....	70.0	100.0	50.0	42.9	100.0	77.8	.....	8.3	.....	.....	.....	.....	.....	28.6	.....	.....
42	18 years.....	75.0	75.0	.....	.....	80.0	83.3	.....	75.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	19 years.....	50.0	76.9	.....	.....	.....	75.0	100.0	75.0	60.0	100.0	.....	7.7	.....	.....	.....	12.5	.....	.....	.....	.....
44	20 years.....	57.1	69.6	.....	.....	75.0	71.4	.....	85.7	60.0	62.5	.....	4.3	.....	.....	.....	.....	14.3	.....	.....	.....
45	21 years.....	37.5	55.6	.....	.....	50.0	70.0	.....	66.7	60.0	44.4	12.5	7.4	.....	.....	.....	10.0	.....	16.7	60.0	.....
46	22 years.....	100.0	81.8	.....	.....	100.0	100.0	100.0	66.7	100.0	83.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
47	23 years.....	72.7	66.7	.....	.....	25.0	66.7	100.0	50.0	.....	87.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	24 years.....	77.8	75.0	.....	100.0	66.7	66.7	100.0	76.9	60.0	80.0	.....	14.3	.....	.....	.....	22.2	.....	7.7	.....	20.0
49	25 years.....	69.2	65.0	.....	.....	100.0	100.0	83.3	60.0	100.0	80.0	.....	5.0	.....	33.3	.....	.....	.....	.....	.....	.....
50	26 years.....	70.6	90.0	.....	.....	50.0	100.0	75.0	71.4	100.0	100.0	5.9	10.0	.....	16.7	.....	.....	28.6	.....	.....	.....
51	27 years.....	70.6	76.2	.....	.....	90.0	88.9	50.0	83.3	33.3	75.0	11.8	9.5	.....	50.0	.....	11.1	50.0	.....	.....	.....
52	28 years.....	64.0	64.0	.....	.....	66.7	90.0	80.0	57.1	100.0	42.9	4.0	4.0	.....	.....	.....	10.0	10.0	.....	14.3	12.5
53	29 years.....	82.1	75.0	33.3	33.3	90.9	80.0	100.0	85.7	60.0	75.0	3.6	10.7	.....	.....	10.0	.....	14.3	20.0	.....	.....
54	30 years.....	68.6	73.9	.....	.....	84.6	85.7	81.8	81.8	44.4	66.7	5.7	8.7	.....	.....	.....	.....	9.1	22.2	33.3	.....
55	31 years.....	66.7	69.2	.....	.....	100.0	80.0	50.0	75.0	60.0	66.7	6.7	.....	.....	.....	.....	16.7	.....	.....	.....	.....
56	32 to 34 years.....	78.5	71.2	.....	50.0	90.6	79.1	81.3	65.0	60.0	72.2	3.1	9.1	.....	.....	6.2	4.2	5.0	.....	22.2	.....
57	35 to 39 years.....	53.9	57.1	22.2	.....	58.1	65.6	56.0	50.0	58.3	61.5	6.7	6.3	.....	.....	9.7	10.0	8.0	7.1	4.2	3.8
58	40 to 44 years.....	45.8	36.1	12.5	18.2	58.3	36.8	56.3	38.5	27.3	44.4	3.4	3.3	.....	.....	.....	5.3	6.3	.....	9.1	5.6
59	45 to 49 years.....	30.6	20.8	23.1	15.4	40.0	16.7	33.3	27.5	22.2	25.0	4.1	.....	.....	.....	6.7	.....	.....	11.1	.....	.....
60	50 to 54 years.....	23.																			

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	
749.9	776.7	58.5	33.0	996.5	1,013.8	896.3	958.7	1,039.3	1,092.3	72.7	129.1	18.2	30.3	85.6	166.3	91.1	126.5	95.6	191.6	1
2,572.4	1,664.3	610.2	.....	2,833.1	2,048.8	2,624.1	2,056.0	4,190.7	2,530.9	373.9	335.9	122.1	186.9	590.2	482.1	366.2	373.8	413.2	301.3	2
1,083.3	1,182.8	76.9	32.0	1,427.7	1,174.7	1,276.2	1,869.8	1,546.6	1,653.9	82.9	109.7	.....	63.9	133.8	108.2	138.4	143.8	59.5	123.7	3
307.6	394.5	12.6	13.0	364.2	539.9	401.6	519.3	449.1	502.3	6.2	28.6	.....	13.0	.....	37.7	.....	38.9	24.3	25.1	4
370.1	417.1	13.0	.....	604.4	500.6	403.6	540.4	453.3	614.1	47.9	49.7	26.0	.....	63.0	117.6	65.1	40.5	37.8	39.2	5
834.7	716.9	39.9	13.9	1,055.2	1,064.4	1,051.0	933.3	1,183.8	848.8	55.4	99.0	.....	27.9	38.6	94.3	106.4	125.4	77.2	148.2	6
1,148.5	773.5	71.0	.....	1,648.2	1,153.2	1,136.1	841.6	1,716.9	1,085.4	.....	17.2	.....	.....	67.8	.....	.....	.....	.....	.....	7
749.7	1,055.9	.....	60.4	1,153.7	1,655.2	865.7	1,147.6	967.6	1,343.6	75.4	246.7	.....	.....	111.6	408.9	77.0	281.9	111.6	292.1	8
1,219.3	1,358.3	34.7	17.7	1,861.0	1,935.2	1,300.1	1,558.2	1,659.8	1,901.0	97.7	260.4	17.3	35.4	83.8	325.4	173.3	265.6	117.4	411.0	9
1,403.5	1,470.3	.....	20.4	1,891.3	1,835.5	1,895.5	2,040.6	1,814.1	1,973.7	107.6	185.0	39.9	20.4	115.8	197.4	119.7	142.8	154.4	375.0	10
809.8	643.7	20.7	33.4	1,021.9	818.1	1,139.4	678.9	1,052.0	1,033.4	60.9	155.5	20.7	22.3	50.1	204.5	82.9	132.6	90.2	258.3	11
282.5	372.1	64.0	41.4	371.6	453.9	320.2	358.9	371.6	627.5	53.4	74.4	12.8	13.6	61.9	106.8	64.0	27.6	74.3	146.9	12
335.8	289.9	17.6	.....	373.7	368.4	316.2	360.9	628.6	426.6	86.1	73.7	17.6	.....	118.9	77.6	87.8	60.1	118.9	155.1	13
658.1	914.9	284.8	207.4	728.0	1,203.5	752.7	875.6	865.8	1,359.5	124.7	214.6	61.0	138.3	137.7	200.6	81.4	207.4	216.4	312.0	14
460.0	.....	.....	.....	1,815.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
951.4	994.4	160.7	100.2	1,570.5	1,510.0	1,294.0	1,185.5	777.1	1,170.8	76.7	104.3	16.9	50.1	106.3	105.0	101.5	150.3	81.8	113.0	16
2,705.9	2,800.3	501.9	1,038.7	5,339.4	4,018.7	3,011.1	2,077.5	1,941.6	4,018.8	246.0	254.6	501.9	.....	.....	501.9	519.4	.....	502.4	.....	17
2,719.4	1,907.3	.....	.....	4,292.9	2,895.0	3,883.6	3,591.8	2,683.0	1,158.0	271.9	146.7	.....	.....	1,073.2	579.0	.....	.....	.....	.....	18
1,667.1	1,254.7	.....	.....	2,819.6	1,485.5	2,429.3	2,047.8	1,409.8	1,485.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
1,393.1	1,122.2	.....	.....	1,999.2	984.2	2,583.7	2,543.8	999.6	984.2	126.6	.....	.....	.....	499.8	.....	.....	.....	.....	.....	20
777.6	926.1	.....	.....	611.5	1,566.4	1,586.5	2,159.3	1,023.0	.....	.....	132.3	.....	.....	.....	539.8	.....	.....	.....	.....	21
615.0	370.9	109.1	.....	1,055.2	418.3	1,090.9	216.2	211.0	836.5	26.7	106.0	.....	108.1	.....	109.1	216.2	.....	104.6	.....	22
526.6	351.9	226.2	.....	546.9	854.6	678.5	331.3	656.3	213.7	.....	81.2	.....	.....	106.8	.....	220.9	.....	.....	.....	23
476.5	622.6	.....	.....	1,196.8	818.9	553.5	508.1	341.9	1,146.6	.....	83.0	.....	.....	.....	.....	338.7	.....	.....	.....	24
661.3	951.6	.....	.....	1,739.8	2,086.3	.....	1,294.2	869.9	417.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
332.7	1,032.5	.....	.....	2,444.8	905.0	1,263.8	437.7	407.5	.....	.....	103.2	.....	.....	407.5	.....	.....	.....	.....	.....	26
429.3	1,563.4	.....	.....	1,270.6	1,928.1	.....	2,392.2	423.5	1,923.1	.....	97.7	.....	.....	.....	.....	398.7	.....	.....	.....	27
286.8	1,460.9	.....	.....	754.5	2,690.6	.....	1,589.6	377.2	1,637.5	95.6	194.8	.....	.....	.....	.....	397.4	377.2	.....	.....	28
512.3	1,695.7	.....	.....	808.8	2,602.4	836.2	2,306.2	404.4	1,858.9	.....	.....	.....	.....	384.4	.....	.....	.....	.....	.....	29
785.0	874.3	.....	.....	387.3	690.1	2,802.8	356.7	.....	2,415.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
657.1	1,907.9	.....	370.7	741.0	2,151.3	1,532.2	3,707.1	370.5	1,434.2	.....	363.4	.....	.....	717.1	.....	370.7	.....	358.6	.....	31
861.4	1,144.6	.....	.....	377.7	2,084.8	1,952.6	1,077.7	1,133.2	1,389.9	.....	88.0	.....	359.2	.....	.....	.....	.....	.....	.....	32
1,149.6	1,625.5	.....	.....	1,134.3	2,494.7	1,172.7	1,842.3	2,268.5	2,138.3	.....	95.8	180.6	.....	378.1	.....	736.9	.....	.....	.....	33
1,190.1	1,612.4	.....	.....	3,522.4	3,181.6	809.3	2,055.9	391.4	1,193.1	198.3	201.6	.....	411.2	.....	397.7	809.3	.....	.....	.....	34
1,467.9	1,492.2	.....	.....	2,172.4	3,312.5	2,994.8	1,522.1	724.1	1,104.2	91.7	93.3	.....	.....	.....	.....	374.3	.....	368.1	.....	35
2,462.2	2,314.4	436.8	449.7	4,224.8	3,479.5	3,931.3	2,698.1	1,267.5	2,609.7	107.1	330.6	.....	.....	434.9	.....	449.7	422.5	434.9	.....	36
2,111.8	1,426.2	.....	.....	3,819.9	2,986.5	3,231.3	3,080.8	1,389.1	662.2	176.0	167.8	.....	.....	.....	.....	542.3	694.5	331.1	.....	37
1,258.9	1,167.0	.....	.....	2,981.1	2,040.8	1,541.1	1,587.2	496.8	1,023.4	125.9	.....	.....	.....	.....	.....	513.7	.....	.....	.....	38
1,941.6	1,773.9	.....	308.0	4,358.1	2,830.1	2,019.8	2,002.0	1,352.5	1,936.4	76.1	226.5	.....	.....	300.6	149.0	.....	154.0	.....	595.8	39
1,131.4	859.9	192.4	.....	1,674.7	1,225.4	1,346.7	682.2	1,302.6	1,508.2	141.4	95.5	.....	279.1	188.5	192.4	97.5	93.0	94.3	.....	40
780.2	636.1	117.9	236.0	1,596.6	798.8	1,061.1	589.9	342.1	912.9	57.8	57.8	.....	.....	114.1	117.9	.....	114.0	114.1	.....	41
546.0	359.8	445.6	293.6	861.3	284.0	594.1	440.4	287.3	425.9	72.8	.....	.....	.....	143.7	.....	.....	143.7	.....	.....	42
468.8	625.9	159.4	.....	771.0	823.3	478.3	510.7	462.6	1,152.7	39.1	41.7	.....	170.2	154.2	.....	.....	.....	.....	.....	43
395.4	710.1	691.5	.....	445.9	934.1	230.5	482.9	222.9	1,401.1	56.5	118.3	.....	.....	.....	230.5	.....	.....	467.0	.....	44
395.7	615.1	.....	627.4	312.3	606.8	645.8	941.1	624.7	303.4	316.6	.....	.....	.....	.....	645.8	.....	624.7	.....	.....	45
1,337.1	1,095.1	339.4	.....	1,014.8	1,980.8	1,888.5	1,303.2	1,623.7	1,080.4	205.7	173.5	209.8	372.4	405.9	180.1	.....	186.2	203.0	.....	46
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	53
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	62
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	63
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64



[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
EVANSVILLE, IND.																					
1	All ages.....	39.8	48.8	2.4	2.3	36.4	54.8	49.4	62.4	52.3	52.4	4.3	6.9	2.4	4.7	4.5	5.4	4.6	5.9	4.7	11.0
2	Under 1 year.....	26.9	29.6			50.0	46.2	40.0	33.3	25.0	25.0										
3	1 year.....	50.0	55.6		33.3	60.0	50.0	100.0	100.0	33.3		7.1	11.1				50.0			33.3	
4	2 years.....	30.0	66.7				50.0	25.0	100.0	66.7			16.7		100.0						
5	3 years.....	33.3	100.0			66.7	100.0		100.0		100.0	16.7						50.0			
6	4 years.....	66.7	50.0			50.0	100.0	100.0													
7	5 to 9 years.....	66.7	80.0					60.0	75.0	100.0	100.0	11.1						20.0			
8	10 to 14 years.....	60.0	66.7			50.0	100.0	100.0	66.7		100.0										
9	15 to 17 years.....	25.0	50.0					100.0	100.0		50.0										
10	18 years.....	100.0	50.0					100.0	100.0	100.0	100.0										
11	19 years.....	50.0	100.0					100.0	100.0	50.0											
12	20 years.....	66.7	50.0				33.3	100.0		100.0	66.7		16.7								33.3
13	21 years.....		66.7						100.0												
14	22 years.....	75.0				75.0															
15	23 years.....	85.7	57.1			100.0		100.0		100.0	100.0	14.3				50.0					
16	24 years.....	100.0	55.6			100.0	75.0		25.0		100.0		22.2					50.0			
17	25 years.....	100.0	100.0			100.0		100.0	100.0	100.0	100.0										
18	26 years.....	57.1	62.5			25.0	100.0	100.0		100.0	100.0										
19	27 years.....	66.7	60.0			60.0	100.0	100.0		66.7	16.7	40.0			20.0			100.0		33.3	
20	28 years.....	42.9	80.0			66.7	100.0	50.0	75.0	75.0	28.6	10.0			33.3			25.0		100.0	
21	29 years.....	80.0	62.5			33.3	100.0	100.0	33.3	50.0		12.5								50.0	
22	30 years.....	66.7	60.0				50.0	100.0	100.0	100.0	50.0		20.0			50.0					
23	31 years.....	28.6	75.0			25.0	100.0		100.0	100.0		14.3				25.0					
24	32 to 34 years.....	60.0	88.9			50.0	83.3	66.7	100.0	100.0	66.7										
25	35 to 39 years.....	46.7	58.3			33.3	100.0	60.0	50.0	72.7	63.6	10.0	12.5			11.1		20.0		9.1	27.3
26	40 to 44 years.....	63.6	52.4	100.0		100.0	57.1	33.3	83.3	60.0	66.7	9.1					33.3				
27	45 to 49 years.....	29.4	62.5			50.0	100.0	33.3	50.0	25.0	66.7										
28	50 to 54 years.....	38.5	25.0			33.3	33.3	20.0		75.0	33.3		8.3				16.7				
29	55 to 59 years.....		12.5						100.0				12.5				50.0				
30	60 to 64 years.....	22.2	23.5			50.0	40.0		33.3		20.0	11.1	5.9	60.0	25.0						
31	65 years and over.....	8.8	14.9			5.6	25.0	11.1		15.8	22.2	2.9	8.5			5.6			11.1	5.3	16.7
32	Unknown age.....		66.7						66.7												
FORT WAYNE, IND.																					
33	All ages.....	27.9	31.4	2.9	2.7	20.8	23.5	26.2	22.9	46.5	50.0	2.0	8.1	5.7	5.4		9.8	2.4	6.3	1.4	9.0
34	Under 1 year.....	30.8	19.0	20.0		33.3	50.0	25.0		36.4	42.9	3.8	9.5	20.0	16.7				16.7		
35	1 year.....	25.0	80.0				100.0		100.0	100.0	50.0		20.0								50.0
36	2 years.....	100.0	50.0							100.0	66.7										
37	3 years.....	50.0	33.3							100.0	50.0										
38	4 years.....		100.0						100.0												
39	5 to 9 years.....	25.0	42.9			50.0					100.0										
40	10 to 14 years.....	20.0	20.0					50.0			50.0		10.0				50.0				
41	15 to 17 years.....	28.6	100.0						100.0	66.7	100.0										
42	18 years.....	75.0	33.3			100.0		100.0	100.0	100.0			33.3								50.0
43	19 years.....																				
44	20 years.....		66.7						66.7		100.0										
45	21 years.....	100.0	40.0					100.0	100.0		50.0		20.0								
46	22 years.....												50.0				100.0				
47	23 years.....	50.0	66.7					100.0	100.0		75.0										
48	24 years.....																				
49	25 years.....	100.0	100.0					100.0	100.0	100.0	100.0										
50	26 years.....	66.7	85.7				100.0			66.7	80.0		14.3								20.0
51	27 years.....		57.1				100.0		33.3		66.7		14.3								33.3
52	28 years.....	100.0	20.0				33.3			100.0											
53	29 years.....	50.0	80.0			50.0				100.0	100.0		20.0					100.0			
54	30 years.....	66.7	33.3			100.0				100.0	50.0		33.3								50.0
55	31 years.....	33.3	60.0							100.0	50.0		50.0								50.0
56	32 to 34 years.....	75.0	50.0		33.3	50.0		100.0		100.0	100.0										
57	35 to 39 years.....	40.0	42.9					50.0		62.5	100.0	6.7	7.1			33.3				12.5	
58	40 to 44 years.....	33.3	58.3			50.0				40.0	60.0		11.1			25.0					
59	45 to 49 years.....		30.0								60.0										
60	50 to 54 years.....	14.3	23.1			25.0	50.0		50.0				23.1								50.0
61	55 to 59 years.....	11.1						33.3													
62	60 to 64 years.....	15.4	10.0			33.3				20.0	25.0	7.7	10.0								
63	65 years and over.....	6.7	9.1				16.7	10.0		15.4	11.8	2.2	1.8	10.0			5.6				
64	Unknown age.....																				



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.

Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1,001.7	1,123.7	31.7	31.0	1,225.8	1,528.2	1,362.5	1,642.0	1,379.1	1,288.5	108.7	159.4	31.7	62.0	153.2	149.8	126.7	154.9	122.6	269.7
3,110.0	3,383.3			5,260.0	10,014.1	3,625.6	1,725.6	3,506.7	1,069.0										
3,255.1	2,314.2			5,505.4	1,826.6	5,092.1	5,065.0	1,835.1		465.0	462.8			1,826.6				1,835.1	
1,244.1	1,665.7				1,643.5	1,692.1	5,097.5	3,273.2			416.4			1,696.2					
1,805.9	2,221.4			3,180.6	5,260.0		1,812.8			403.0						1,644.2			
845.8	462.1			1,669.0	1,823.8	1,725.0													
562.9	364.5					1,148.4	1,115.5	1,110.8	369.6	93.8						382.8			
275.2	543.0			723.9	714.3	374.2	738.5	714.3											
133.3	400.8					543.9	1,090.3	527.3											
1,132.6	632.8					1,540.4	129.1	2,979.8	124.9										
745.6	700.2					1,521.2	285.7	1,471.3											
1,532.0	1,001.1			1,317.0	3,227.5	3,121.7	2,633.9		333.7									1,317.0	
	645.0					2,633.7													
1,155.9				4,561.9				4,544.3	5,482.0		347.3					1,370.5			
2,303.0	1,389.1			1,514.8		3,132.2		1,486.0			728.4					2,972.0			
335.3	1,821.0			1,524.5	4,311.8			1,437.3											
1,878.1	1,467.5			1,482.4		4,598.0	449.1	1,482.4	1,447.9										
1,434.1	1,779.8			1,414.9	4,214.3	4,388.5			2,809.5										
1,645.1	1,217.1			4,869.3	1,601.1	1,678.1			3,202.2	411.3	811.4			1,623.1		1,655.4		1,601.1	
1,114.3	3,047.1			2,931.7	3,006.4	1,515.5	4,602.4		4,509.6	742.9	380.9			1,465.8		1,554.1	1,465.8		
3,350.1	2,231.3			1,652.7	5,283.6	5,126.0	1,820.9	6,610.6	1,761.2		446.3							1,761.2	
745.6	1,045.6				1,375.3	1,521.2	1,421.9	1,471.3	1,375.3		348.5				1,375.3				
1,017.0	1,482.6			2,006.8	5,900.8		2,016.5	2,006.8		508.5				2,006.8					
1,948.9	2,567.9			2,563.8	3,166.9	2,650.7	5,893.7	2,563.8	1,266.8										
1,409.0	1,343.0			1,191.5	1,514.3	1,231.9	1,174.2	2,650.0		301.9	287.8			397.2		410.6		397.2	1,135.7
733.9	1,232.3	456.9		883.9	1,768.5	436.9	2,285.5	1,325.8	884.2	112.0						456.9			
675.9	679.5			1,036.9	536.4	1,103.1	1,109.1	533.5	1,072.7										
763.5	500.3			602.7	1,316.2	633.1		1,808.0	658.1		166.8				658.1				
	225.2							918.7			225.2				888.6				
604.0	1,154.4			2,383.8	2,278.0	1,177.6		1,139.0		302.0	288.6	1,232.3	1,177.6						
1,157.3	1,254.8			761.3	2,122.3	1,574.2		2,283.9	2,829.7	385.8	717.0			761.3		731.4	761.3	2,122.3	
	19,290.3						28,709.7												
426.6	545.1	31.1	30.1	330.7	348.8	341.9	330.6	992.0	1,453.5	50.5	140.0	62.2	60.1		145.3	31.1	90.2	30.1	261.6
3,388.1	1,777.1	1,728.0		3,342.8	1,753.3	1,728.0		6,685.6	5,260.0	423.5	888.6	1,728.0	1,812.8			1,812.8			
504.2	1,922.8			3,794.2			1,961.4	1,989.9	1,897.1		480.7							1,897.1	
435.9	826.0							1,720.1	3,259.7										
417.0	434.6						1,770.7	1,643.7	1,715.1										
	434.0																		
90.7	262.5			357.9					1,036.0										
86.7	170.6					353.9			673.1		85.3				336.6				
279.8	380.4					517.4	1,104.4	1,000.8											
1,151.6	331.9			1,514.8		1,506.1	1,554.1	1,614.8			331.9							1,309.7	
	1,261.6							2,573.8	2,489.5										
345.7	650.0					1,410.4	1,326.1		1,282.6		325.0			1,282.6					
352.2	1,295.8					1,437.0	1,321.8		3,835.3		304.2					1,241.1			
685.0	634.8					1,397.5	1,295.1	1,351.7	1,252.7										
741.0	2,002.2				2,633.9		1,562.1	2,824.4	5,267.9		333.7							1,317.0	
	1,531.4				1,510.9				3,021.8		382.8							1,510.9	
1,039.4	357.7				1,411.5			4,102.0											
1,222.1	1,563.4			1,607.6				3,324.3	6,169.9		390.8					1,694.8			
722.2	360.5			1,425.1				1,425.1	1,383.4		350.5							1,383.4	
495.0	452.3							1,953.6	1,785.2		452.3							1,785.2	
890.8	448.7	610.3	585.5			1,211.5		1,757.7	1,180.6										
608.8	582.3					414.0		2,002.0	2,298.0	101.5	97.0			383.0			400.4		
465.2	341.5			917.5				917.9	1,347.5		113.8			449.2					
	405.9								1,601.8										
153.6	491.0			606.1	1,291.7		899.0	667.8			491.0							1,937.6	
220.3																			
396.8	301.4			1,177.6				1,177.6	1,189.5	298.4	301.4		1,229.8			1,217.6			
575.0	843.7			1,997.7		782.1		1,512.8	1,331.8	191.7	168.7	782.1			665.9				

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
SOUTH BEND, IND.																					
1	All ages.....	62.2	50.6	6.9	3.6	74.0	63.5	66.7	53.7	59.7	50.0	2.4	7.0			2.4	5.9	2.7	8.5	3.0	10.4
2	Under 1 year.....	38.6	37.9	11.1	20.0	46.2	40.0	42.9	42.9	46.7	42.9		3.4						14.3		
3	1 year.....	70.6	54.5	60.0		60.0	33.3	87.5	80.0	50.0	33.3		9.1				33.3				
4	2 years.....	80.0	100.0			100.0	100.0	66.7	100.0		100.0										
5	3 years.....	83.3	50.0			100.0	100.0	50.0		100.0	50.0	16.7						60.0			
6	4 years.....	100.0	100.0			100.0	100.0		100.0												
7	5 to 9 years.....	63.6	62.5			60.0	50.0		100.0	80.0		9.1	12.5			20.0					60.0
8	10 to 14 years.....	75.0				100.0		100.0		50.0		25.0	25.0					60.0	60.0		
9	15 to 17 years.....	66.7	50.0			100.0		33.3	50.0	100.0											
10	18 years.....	57.1	100.0			75.0	100.0	50.0		100.0											
11	19 years.....	100.0	50.0			100.0		100.0		100.0											
12	20 years.....	100.0	60.0			100.0	100.0	66.7				20.0							33.3		
13	21 years.....	100.0				100.0															
14	22 years.....	100.0	100.0			100.0	100.0		100.0	100.0											
15	23 years.....	100.0	80.0						60.0	100.0	100.0										
16	24 years.....	75.0	85.7			66.7	100.0		50.0	100.0											
17	25 years.....	50.0	100.0			100.0	100.0		100.0		100.0										
18	26 years.....	66.7	75.0			100.0	80.0	100.0	66.7	100.0											
19	27 years.....	100.0	100.0			100.0	100.0		100.0	100.0	100.0										
20	28 years.....	88.9	100.0			100.0	100.0	60.0	100.0	100.0						100.0		60.0			
21	29 years.....	80.0	40.0					60.0	50.0	100.0	50.0	40.0						60.0			
22	30 years.....	84.6	100.0			85.7	100.0	80.0	100.0	100.0	100.0	7.7				14.3					
23	31 years.....	100.0	57.1			100.0		100.0	66.7	100.0	66.7		14.3							33.3	
24	32 to 34 years.....	88.2	62.5			88.9	87.5	85.7	42.9	100.0			31.3				12.5		42.9		100.0
25	35 to 39 years.....	72.7	47.6			72.7	60.0	80.0	75.0		25.0	4.5	14.3				10.0	10.0			60.0
26	40 to 44 years.....	85.7	28.6			85.7		75.5	50.0	100.0	50.0										
27	45 to 49 years.....	50.0	40.0			71.4	50.0	33.3	100.0	40.0											
28	50 to 54 years.....	50.0	22.2			80.0	66.7			50.0		60.0				20.0			60.0		
29	55 to 59 years.....		22.2				60.0														
30	60 to 64 years.....	25.0	16.7			33.3		33.3	33.3	50.0											
31	65 years and over.....	23.1	17.1			30.0	11.1	60.0	20.0	42.9		2.9				11.1					
32	Unknown age.....																				
TERRE HAUTE, IND.																					
33	All ages.....	48.0	42.9	6.3	2.8	41.0	35.4	63.4	57.7	51.8	53.6	1.9	5.4		2.8	1.6		2.2	8.5	2.4	7.2
34	Under 1 year.....	37.0	21.4	20.0	16.7	33.3	20.0	55.6		25.0	50.0		7.1		16.7						
35	1 year.....	75.0	57.1			66.7		100.0	75.0	50.0	100.0										
36	2 years.....	33.3	100.0					33.3	100.0	100.0		16.7						33.3			
37	3 years.....	50.0	75.0			100.0			75.0												
38	4 years.....	71.4				100.0		100.0		50.0											
39	5 to 9 years.....	55.6	60.0			100.0	50.0	33.3	100.0	66.7											
40	10 to 14 years.....	60.0	42.9						60.0	75.0											
41	15 to 17 years.....	87.5	66.0			100.0	100.0	75.0	50.0	100.0	100.0										
42	18 years.....	50.0	66.7					100.0	100.0	100.0	50.0										
43	19 years.....	100.0	50.0					100.0			100.0										
44	20 years.....	100.0	40.0			100.0	100.0			50.0		20.0						100.0			
45	21 years.....	100.0	100.0			100.0	100.0		100.0	100.0											
46	22 years.....	66.7	100.0					75.0	100.0	50.0	100.0										
47	23 years.....		50.0							100.0											
48	24 years.....	50.0	40.0					100.0	50.0		100.0										
49	25 years.....	87.5	100.0				100.0	75.0	100.0	100.0	100.0										
50	26 years.....		62.5				100.0			75.0		12.5						60.0			
51	27 years.....	66.7	100.0	100.0				100.0	100.0	100.0											
52	28 years.....	100.0	60.0				100.0	100.0	100.0	100.0	66.7										
53	29 years.....	100.0	100.0			100.0	100.0	100.0													
54	30 years.....	70.0	66.7					100.0	50.0	80.0	75.0	10.0	33.3					60.0	20.0	25.0	
55	31 years.....	100.0	60.0			100.0	50.0	100.0	100.0	100.0	50.0										
56	32 to 34 years.....	63.4	50.0				33.3	87.5	66.7	75.0	67.1	5.3	5.0			33.3		16.7			
57	35 to 39 years.....	66.7	71.4			83.3		66.7	80.0	62.5	75.0	5.6									
58	40 to 44 years.....	50.0	25.0			33.3	25.0	80.0	50.0	33.3		12.5							12.5		60.0
59	45 to 49 years.....	53.8	25.0			100.0		60.0	66.7	50.0	33.3	8.3								33.3	
60	50 to 54 years.....	33.3	22.2			100.0		40.0	33.3	33.3	33.3	11.1						33.3			
61	55 to 59 years.....	35.7	20.0			33.3	33.3	50.0	50.0	100.0											
62	60 to 64 years.....	10.0						100.0				11.1									20.0
63	65 years and over.....	6.7	11.1			6.7	11.1	9.1	10.0	10.0	28.6	2.2	5.6					9.1	10.0		14.3
64	Unknown age.....																				



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[See note at head of this table, pp. 102, 103.]

[illegible]



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A. —PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
ALL OTHER REGISTRATION CITIES, <sup>1</sup> INDIANA.																	
1	All ages.....	54.0	49.3	12.5	10.6	63.2	56.2	60.2	54.3	57.5	53.6	3.0	6.8	3.5	3.2	3.5	7.2
2	Under 1 year.....	33.6	32.4	9.6	7.5	33.9	43.2	44.6	38.6	44.1	37.5	2.5	2.3	1.9	1.9	1.6	2.7
3	1 year.....	67.1	69.9	14.8	14.9	77.1	77.1	70.6	72.7	87.5	73.7	6.1	4.8	21.4	5.7	2.9	2.8
4	2 years.....	81.1	61.1		55.3	94.4	66.7	90.9	71.4	85.7	64.3		2.8			11.1	
5	3 years.....	64.3	71.4	55.3	100.0	80.0	80.0	66.7	70.0	50.0	40.0		10.7			10.0	
6	4 years.....	55.0	57.1			50.0	83.3	62.5	100.0	66.7	50.0		4.8				16.7
7	5 to 9 years.....	61.6	65.3	8.3		78.3	71.4	65.0	72.0	72.2	70.0	2.7	5.6		16.7	9.5	5.0
8	10 to 14 years.....	50.0	56.5	11.1		90.0	58.8	50.0	80.0	46.2	72.7	2.4	6.5	11.1	12.5	5.9	4.0
9	15 to 17 years.....	65.0	63.6			72.7	20.0	100.0	85.7	73.7	100.0						14.3
10	18 years.....	73.3	50.0		55.5	50.0	66.7	75.0	20.0	85.7	71.4		16.7				40.0
11	19 years.....	92.9	62.5			100.0	66.7	100.0	50.0	100.0	75.0		18.8			22.2	50.0
12	20 years.....	63.2	67.6		100.0	66.7	90.9	100.0	66.7	60.0	50.0	10.5	13.5			16.7	9.1
13	21 years.....	78.3	66.7	100.0		87.5	87.5	66.7	77.8	75.0	50.0	4.3	16.7			12.5	11.1
14	22 years.....	60.0	65.8		100.0	71.4	77.8	100.0	66.7	25.0	40.0	6.7	10.5			14.3	5.6
15	23 years.....	84.0	73.7	100.0		88.9	83.3	80.0	78.6	80.0	70.0		15.8			16.7	7.7
16	24 years.....	72.4	64.7		50.0	85.7	77.8	57.5	61.5	85.7	62.5	6.9	11.8			7.1	11.1
17	25 years.....	81.3	59.5	100.0	25.0	72.7	60.0	80.0	57.1	88.9	71.4	3.1	16.7		50.0	20.0	10.0
18	26 years.....	75.6	76.1			81.3	76.5	64.7	81.8	83.3	76.5		8.7			17.6	7.1
19	27 years.....	83.9	70.4	33.3	33.3	85.2	60.0	76.5	80.0	86.7	76.9	3.6	14.8		33.3	26.7	11.8
20	28 years.....	81.6	72.7	33.3		87.0	92.3	86.7	57.1	75.0	80.0	4.1	11.4			8.7	28.6
21	29 years.....	86.8	83.3			80.0	84.6	90.0	77.8	100.0	85.7	6.3	8.3			6.7	11.1
22	30 years.....	82.2	81.8	40.0	100.0	100.0	93.8	86.7	45.5	75.0	93.8	2.2	6.8			6.3	9.1
23	31 years.....	89.3	77.4		100.0	92.3	66.7	100.0	63.6	80.0	100.0		9.7			11.1	18.2
24	32 to 34 years.....	83.7	66.7	16.7		79.5	78.6	92.5	70.6	89.5	70.3	2.4	10.0			6.1	10.7
25	35 to 39 years.....	74.3	59.1	25.0		80.3	73.5	69.2	58.3	82.0	57.1	3.0	7.5		8.3	1.6	8.8
26	40 to 44 years.....	56.9	50.0	16.7	25.0	66.7	55.0	51.4	52.6	65.8	51.6	3.3	6.4		8.3	2.8	10.0
27	45 to 49 years.....	45.9	38.8	7.7		40.0	47.4	70.0	36.4	56.3	42.9	5.4	6.1		7.7	8.0	5.3
28	50 to 54 years.....	26.9	38.6		8.3	36.8	58.3	22.2	31.3	36.8	52.9	3.0	5.3			6.3	5.3
29	55 to 59 years.....	17.2	16.3			7.7	14.3	17.6	25.0	30.0	20.0		4.1				12.6
30	60 to 64 years.....	15.9	10.9			15.3	10.5	21.7	10.0	25.0	18.2	2.4	4.3			6.7	5.3
31	65 years and over.....	13.5	14.0	11.5	2.0	12.3	12.0	19.1	25.4	12.5	14.9	3.3	2.2	1.9	2.0	7.0	3.6
32	Unknown age.....	25.0						100.0									
INDIANA, RURAL, GROUP 1. <sup>2</sup>																	
33	All ages.....	41.6	48.8	5.3	3.1	50.8	62.1	40.0	38.9	45.9	52.8	4.7	10.4	2.6	3.1	4.0	12.1
34	Under 1 year.....	26.7	25.0			36.4	37.5	12.5	20.0	30.0	28.6	3.3	8.3			12.5	12.5
35	1 year.....	63.6	50.0	100.0		71.4	66.7			33.3	100.0	18.2	12.5			14.3	12.5
36	2 years.....	16.7	33.3			50.0	100.0					16.7					100.0
37	3 years.....		66.7				100.0					50.0					100.0
38	4 years.....	66.7	75.0			66.7	100.0				100.0						100.0
39	5 to 9 years.....	75.0	87.5	100.0		100.0	85.7			50.0	100.0	25.0	12.5			14.3	14.3
40	10 to 14 years.....	50.0	61.5			66.7	60.0		25.0		100.0	25.0	15.4			33.3	20.0
41	15 to 17 years.....	60.0	66.7			66.7	60.0	80.0			100.0		16.7				20.0
42	18 years.....	71.4	33.3			100.0	100.0			100.0		14.3	66.7				20.0
43	19 years.....	66.7	50.0			80.0			100.0	66.7		11.1	50.0			50.0	100.0
44	20 years.....	77.8	100.0			75.0	100.0	100.0									33.3
45	21 years.....	100.0	33.3				100.0	100.0		100.0			33.3				
46	22 years.....	60.0	55.6		100.0	33.3	40.0	100.0	100.0		50.0	20.0				33.3	60.0
47	23 years.....	100.0	83.3			100.0	100.0		100.0	100.0	50.0		8.3				
48	24 years.....	83.3	60.0			100.0	75.0	66.7		100.0							
49	25 years.....	66.7	80.0			100.0	100.0		100.0	100.0		33.3		100.0			
50	26 years.....	83.3	66.7			100.0	80.0	100.0					16.7			20.0	
51	27 years.....	48.9	53.8				40.0	100.0	75.0	100.0	66.7		23.1				20.0
52	28 years.....	100.0	75.0			100.0	100.0		100.0	100.0	50.0		25.0			40.0	
53	29 years.....	50.0	100.0			50.0			100.0	100.0	100.0						33.3
54	30 years.....	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0						60.0
55	31 years.....	100.0	50.0			100.0	100.0		100.0			8.3					
56	32 to 34 years.....	62.5	88.2			70.0	100.0	57.1	66.7	66.7	100.0				10.0		
57	35 to 39 years.....	75.0	55.6			100.0	16.7	75.0	33.3	60.0	88.9		33.3			66.7	14.3
58	40 to 44 years.....	50.0	88.9			66.7	83.3			50.0	100.0					33.3	33.3
59	45 to 49 years.....	12.5	50.0				50.0			50.0	75.0		10.0				
60	50 to 54 years.....	20.0	40.0			50.0	50.0			66.7		20.0				50.0	
61	55 to 59 years.....	12.5				25.0											
62	60 to 64 years.....	5.9					25.0						11.1			20.0	
63	65 years and over.....	8.7	15.6			11.5	13.3	9.1	26.7	12.5	18.2		3.1		8.3		6.7
64	Unknown age.....																

<sup>1</sup> Includes Anderson, East Chicago, Elkhart, Elwood, Gary, Hammond, Huntington, Jeffersonville, Kokomo, Lafayette, Laporte, Logansport, Marion, Michigan City, Mishawaka, Muncie, New Albany, Peru, Richmond, and Vincennes.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	
1,363.1	1,248.1	169.8	133.7	1,971.1	1,799.3	1,661.1	1,372.0	1,637.5	1,670.0	75.4	172.4	47.8	40.7	107.8	230.5	79.6	191.8	66.7	224.9	1
4,921.5	4,722.8	1,304.0	1,085.7	5,297.1	8,400.4	6,519.9	4,614.0	6,558.4	4,725.3	511.3	332.6	260.8	271.4	252.2	525.0	782.4	271.4	756.7	262.5	2
2,081.0	1,950.2	202.2	426.3	3,584.8	3,161.0	2,897.7	2,273.5	1,629.5	1,924.1	82.6	156.7	202.2	.....	130.4	206.1	.....	142.1	.....	274.9	3
647.4	711.4	53.7	.....	1,022.0	896.0	763.1	1,111.7	738.1	836.3	28.8	60.5	.....	61.8	.....	119.5	58.7	61.8	56.8	.....	7
323.8	402.7	62.9	.....	547.7	611.2	314.6	505.6	365.1	489.0	15.4	46.5	62.9	63.2	.....	61.1	.....	.....	.....	61.1	8
732.9	495.8	.....	61.3	694.2	533.6	837.3	490.4	1,388.3	889.4	.....	90.1	.....	.....	.....	118.6	.....	183.9	.....	59.3	9
798.0	1,756.3	.....	286.7	1,049.8	2,772.6	542.7	1,719.9	1,574.7	2,218.0	133.0	351.3	.....	.....	262.5	277.3	.....	286.7	262.5	831.8	10
1,134.6	1,716.1	201.3	221.1	2,076.6	2,709.0	1,341.8	2,353.6	908.5	1,568.4	65.8	343.2	.....	.....	129.8	356.5	134.2	442.2	.....	570.3	11
2,450.6	2,448.3	222.2	124.9	3,922.2	3,079.8	2,999.7	2,497.4	2,632.7	4,046.1	95.3	413.2	.....	187.3	161.2	603.9	222.2	374.6	.....	483.1	12
2,641.9	2,166.4	196.0	147.3	3,538.6	3,063.6	3,593.2	1,767.9	3,222.7	3,633.6	64.0	270.8	.....	.....	126.4	356.2	65.3	294.7	63.2	427.5	13
1,856.7	1,026.0	195.2	89.1	2,908.3	1,550.8	1,796.3	1,068.9	2,492.8	1,378.5	86.1	131.0	78.1	.....	75.5	215.4	117.1	133.6	75.5	172.3	14
594.3	574.1	46.6	57.1	766.8	884.2	839.4	514.2	721.7	828.9	68.6	84.0	46.6	.....	135.3	55.3	.....	171.4	90.2	110.5	15
469.0	303.2	.....	.....	241.4	368.1	665.7	285.5	965.8	552.2	40.8	93.3	.....	.....	80.5	92.0	.....	190.3	80.5	92.0	16
940.2	1,108.1	697.5	115.9	787.0	1,121.4	1,046.2	1,739.0	1,236.8	1,457.8	227.9	170.5	116.2	115.9	449.7	336.4	116.2	115.9	224.9	112.1	17
462.8	.....	.....	.....	.....	.....	1,888.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
739.4	949.8	48.7	26.5	1,506.2	1,976.9	583.9	557.4	800.1	1,206.6	83.5	201.7	24.3	26.5	117.7	385.1	121.7	159.3	70.6	231.1	19
2,345.1	1,783.3	.....	.....	4,627.5	3,518.9	1,196.1	1,212.7	3,470.6	2,345.9	293.1	594.4	.....	.....	.....	1,173.0	1,196.1	1,212.7	.....	.....	20
722.7	738.5	294.9	.....	2,281.8	1,748.6	.....	.....	285.2	1,165.7	289.1	73.8	.....	.....	285.2	.....	589.8	301.3	285.2	.....	21
178.3	424.5	242.5	.....	234.5	1,435.8	.....	.....	234.5	239.3	59.4	60.6	.....	.....	.....	239.3	.....	234.5	.....	.....	22
120.3	503.4	.....	.....	474.9	744.9	.....	256.7	.....	993.3	60.2	125.8	.....	.....	237.5	243.3	.....	256.7	.....	.....	23
564.5	425.2	.....	.....	742.6	1,258.4	1,535.5	.....	419.5	.....	.....	106.3	.....	.....	.....	419.5	.....	.....	.....	.....	24
1,450.2	304.5	.....	.....	3,121.7	600.8	.....	621.2	2,601.4	.....	263.7	456.7	.....	.....	.....	.....	537.9	621.2	520.5	1,201.6	25
1,947.0	1,880.5	.....	.....	6,586.0	7,421.4	1,134.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
1,192.4	1,617.2	.....	78.6	2,107.0	3,267.0	1,161.8	1,099.7	1,474.9	1,975.4	71.2	327.3	72.6	.....	140.5	759.8	72.6	78.6	.....	455.9	27
258.8	573.8	.....	.....	510.6	715.2	211.2	492.9	306.4	1,072.7	25.9	120.8	.....	123.2	102.1	119.2	.....	123.2	.....	119.2	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
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.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	63
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64

\* Includes the following counties: Benton, Jasper, Newton, Porter, Pulaski, Warren, and White.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
INDIANA, RURAL, GROUP 2. <sup>1</sup>																					
1	All ages.....	43.1	35.8	4.6	.....	61.8	45.9	38.2	36.4	51.0	36.8	1.5	6.5	1.5	.....	1.8	7.3	.....	5.2	2.1	9.2
2	Under 1 year.....	22.6	14.3	.....	.....	14.8	20.0	16.7	.....	45.5	100.0	9.7	9.5	14.3	.....	14.3	20.0	.....	.....	9.1	.....
3	1 year.....	72.7	69.2	.....	.....	83.3	80.0	100.0	60.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	2 years.....	.....	50.0	.....	.....	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	3 years.....	50.0	66.7	.....	.....	66.7	.....	50.0	.....	.....	66.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	4 years.....	100.0	50.0	.....	.....	.....	.....	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	5 to 9 years.....	62.5	55.6	.....	.....	100.0	.....	.....	33.3	50.0	100.0	12.5	11.1	.....	.....	50.0	.....	.....	.....	.....	.....
8	10 to 14 years.....	50.0	33.3	50.0	.....	100.0	66.7	.....	.....	50.0	25.0	12.5	11.1	.....	.....	.....	.....	.....	50.0	25.0	.....
9	15 to 17 years.....	80.0	71.4	100.0	.....	66.7	100.0	100.0	66.7	100.0	66.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	18 years.....	100.0	71.4	.....	.....	100.0	100.0	.....	.....	100.0	33.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	19 years.....	100.0	25.0	.....	.....	100.0	100.0	100.0	.....	100.0	.....	25.0	.....	.....	.....	.....	.....	.....	.....	.....	33.3
12	20 years.....	100.0	.....	.....	.....	100.0	.....	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	21 years.....	100.0	100.0	.....	.....	100.0	100.0	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	22 years.....	100.0	60.0	.....	.....	100.0	.....	.....	50.0	.....	66.7	40.0	.....	.....	.....	.....	50.0	.....	.....	33.3	.....
15	23 years.....	100.0	60.0	.....	.....	100.0	100.0	.....	50.0	100.0	50.0	.....	.....	.....	.....	.....	25.0	.....	.....	.....	.....
16	24 years.....	75.0	60.0	.....	.....	50.0	100.0	.....	50.0	100.0	.....	20.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	25 years.....	100.0	80.0	.....	.....	100.0	100.0	100.0	.....	100.0	50.0	20.0	.....	.....	.....	.....	.....	.....	.....	50.0	.....
18	26 years.....	71.4	83.3	.....	.....	66.7	66.7	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	27 years.....	100.0	80.0	.....	.....	100.0	66.7	.....	100.0	100.0	.....	20.0	.....	.....	.....	33.3	.....	.....	.....	.....	.....
20	28 years.....	75.0	.....	.....	.....	75.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	29 years.....	100.0	50.0	.....	.....	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	30 years.....	100.0	100.0	.....	.....	100.0	100.0	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	31 years.....	100.0	66.7	.....	.....	100.0	66.7	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	32 to 34 years.....	83.3	44.4	.....	.....	100.0	66.7	50.0	.....	100.0	40.0	11.1	.....	.....	.....	33.3	.....	.....	.....	.....	.....
25	35 to 39 years.....	81.8	69.6	.....	.....	100.0	69.2	71.4	75.0	100.0	66.7	13.0	.....	.....	.....	7.7	.....	.....	.....	33.3	.....
26	40 to 44 years.....	66.7	28.6	.....	.....	50.0	33.3	.....	.....	100.0	100.0	11.1	.....	.....	25.0	.....	.....	.....	.....	.....	.....
27	45 to 49 years.....	20.0	20.0	.....	.....	50.0	25.0	.....	.....	50.0	.....	20.0	.....	.....	.....	25.0	.....	50.0	.....	.....	.....
28	50 to 54 years.....	9.1	25.0	33.3	.....	.....	23.6	.....	33.3	.....	20.0	12.5	.....	.....	.....	14.3	.....	.....	.....	20.0	.....
29	55 to 59 years.....	6.7	9.1	.....	.....	.....	.....	20.0	.....	.....	50.0	9.1	.....	.....	.....	.....	.....	.....	.....	50.0	.....
30	60 to 64 years.....	17.4	20.0	.....	.....	12.9	50.0	.....	.....	16.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	65 years and over.....	4.4	6.3	.....	.....	15.0	7.7	.....	13.0	3.7	3.4	1.0	.....	.....	.....	.....	.....	4.3	.....	.....	.....
32	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
INDIANA, RURAL, GROUP 3. <sup>2</sup>																					
33	All ages.....	38.9	37.0	7.0	2.9	51.4	47.1	35.2	33.3	38.8	44.3	4.6	5.3	2.3	2.9	2.9	3.5	7.4	6.7	6.3	8.6
34	Under 1 year.....	10.5	15.0	11.1	.....	18.7	40.0	.....	.....	14.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	1 year.....	77.8	25.0	.....	.....	75.0	100.0	100.0	.....	75.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	2 years.....	50.0	30.0	.....	.....	100.0	100.0	.....	.....	50.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	3 years.....	66.7	50.0	.....	.....	.....	.....	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	4 years.....	50.0	50.0	.....	.....	.....	100.0	50.0	.....	100.0	100.0	25.0	25.0	.....	.....	.....	50.0	100.0	.....	.....	.....
39	5 to 9 years.....	44.4	100.0	.....	.....	50.0	100.0	50.0	.....	66.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	10 to 14 years.....	77.8	66.7	.....	.....	100.0	50.0	.....	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	15 to 17 years.....	60.0	100.0	.....	.....	83.3	100.0	.....	100.0	33.3	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	18 years.....	100.0	33.3	.....	.....	100.0	50.0	.....	.....	.....	.....	66.7	.....	.....	.....	50.0	.....	.....	.....	100.0	.....
43	19 years.....	80.0	100.0	.....	.....	100.0	100.0	.....	.....	50.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	20 years.....	75.0	100.0	.....	.....	75.0	100.0	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	21 years.....	100.0	100.0	.....	.....	100.0	100.0	100.0	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	22 years.....	50.0	100.0	.....	.....	100.0	100.0	100.0	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
47	23 years.....	.....	80.0	.....	.....	.....	100.0	.....	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	24 years.....	60.0	100.0	.....	.....	50.0	.....	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
49	25 years.....	100.0	100.0	.....	.....	100.0	.....	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	26 years.....	50.0	60.0	.....	.....	50.0	50.0	.....	.....	66.7	.....	40.0	40.0	.....	.....	50.0	.....	.....	.....	33.3	.....
51	27 years.....	60.0	83.3	.....	.....	100.0	100.0	.....	.....	50.0	100.0	40.0	.....	.....	.....	.....	100.0	.....	50.0	.....	.....
52	28 years.....	50.0	50.0	.....	.....	66.7	100.0	50.0	.....	.....	.....	33.3	.....	.....	.....	33.3	50.0	.....	.....	.....	.....
53	29 years.....	50.0	66.7	.....	.....	66.7	100.0	100.0	100.0	100.0	.....	20.0	.....	.....	.....	33.3	.....	.....	.....	.....	.....
54	30 years.....	100.0	75.0	.....	.....	100.0	100.0	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55	31 years.....	66.7	75.0	.....	.....	100.0	.....	50.0	100.0	.....	100.0	33.3	.....	.....	.....	.....	50.0	.....	.....	.....	.....
56	32 to 34 years.....	66.7	33.3	.....	.....	100.0	20.0	100.0	.....	60.0	100.0	33.3	.....	100.0	.....	.....	.....	40.0	.....	.....	.....
57	35 to 39 years.....	83.3	83.3	.....	.....	83.3	66.7	80.0	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
58	40 to 44 years.....	50.0	14.3	.....	.....	75.0	.....	100.0	.....	.....	25.0	14.3	.....	.....	.....	.....	.....	.....	.....	.....	25.0
59	45 to 49 years.....	9.1	44.4	.....	.....	25.0	66.7	.....	50.0	.....	50.0	9.1	.....	.....	.....	.....	.....	.....	50.0	.....	.....
60	50 to 54 years.....	50.0	18.2	.....	.....	100.0	40.0	.....	.....	.....	.....	9.1	.....	.....	.....	.....	.....	.....	.....	33.3	.....
61	55 to 59 years.....	.....	11.1	.....	.....	.....	.....	.....	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62	60 to 64 years.....	8.0	22.2	.....	.....	.....	33.3	16.7	20.0	25.0	.....	4.0	5.6	.....	.....	16.7	.....	.....	10.0	.....	.....
63	65 years and over.....	13.5	10.1	11.8	7.1	10.0	15.0	18.2	13.3	14.3	5.0	1.1	7.2	7.1	5.0	.....	.....	13.3	.....	10.0	10.0
64	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Includes the following counties: Fulton, Kosciusko, Marshall, Starke, and Wabash.

# MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.

Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	
832.2	647.3	69.8		1,529.6	1,161.1	604.7	672.3	1,102.2	743.1	28.5	117.7	23.3		45.0	185.8	96.0	45.0	185.8	1	
1,880.5	865.0			1,060.2	2,275.8	1,096.1		5,301.0	1,137.9	805.9	576.7	1,096.1		1,060.2	2,275.8		1,060.2		2	
933.9	945.7			1,984.6	1,435.5	586.3	1,187.3	1,134.1	1,148.4										3	
281.1	298.1			887.4			243.3	221.8	941.2		59.6			235.3					4	
221.9	175.2	226.5		656.7	461.0				230.5	55.5	58.4						218.9	230.5	5	
769.6	490.2	392.5		1,518.6	386.9	392.5	800.0	759.3	773.8										6	
1,543.6	910.7			1,218.4	2,994.9	1,839.5		3,045.9	599.0		151.8							599.0	7	
2,433.3				1,202.9		4,974.5		3,608.6											8	
																			9	
																			10	
																			11	
																			12	
																			13	
																			14	
																			15	
																			16	
																			17	
1,450.4	1,076.9			2,790.4	2,020.5	1,035.7	1,224.6	1,931.8	1,045.1	18.1	158.9			71.5	209.0	144.1		278.7	18	
																			19	
																			20	
																			21	
																			22	
																			23	
																			24	
																			25	
																			26	
																			27	
236.8	332.4	87.8		594.6	562.1	87.8	387.5	169.9	374.8		142.4			187.4		193.7		187.4	28	
																			29	
																			30	
																			31	
																			32	
																			33	
683.5	562.1	76.8	26.4	1,385.7	1,019.8	486.1	395.4	767.1	790.4	81.5	84.0	25.6	26.4	74.2	76.5	102.3	79.1	123.7	153.0	34
695.5	1,011.3	1,418.6		1,372.1	2,660.7				1,330.3											35
1,069.9	675.7			1,299.2	1,000.0	671.6		2,273.6	1,666.7	82.3	84.5					335.8	344.6			36
																				37
																				38
259.5	206.7			256.1	815.9	264.8		512.2												39
477.4	418.5			1,884.1	550.5		569.2		550.5											40
649.1	814.1			2,121.5	917.9		1,898.1	424.3	459.0											41
																				42
879.4	330.9			2,776.5	1,306.0			694.1			330.9			653.0				653.0		43
																				44
1,115.7	1,026.3			4,403.0	1,350.1				2,700.2											45
																				46
																				47
																				48
																				49
																				50
1,000.5	695.3			2,011.5	1,186.7	924.3	383.4	1,043.0	1,186.7	169.9	56.4	77.0		149.0	74.2	231.1		223.5	148.3	51
																				52
																				53
																				54
																				55
																				56
																				57
																				58
																				59
366.1	446.0	186.7	101.1	361.2	880.2	373.4	404.4	541.8	391.2	68.6	173.5		101.1	90.3	97.8		202.2	180.6	293.4	60
																				61
																				62
																				63
																				64

\*Includes the following counties: Dekalb, Lagrange, Noble, Steuben, and Whitley



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 4. <sup>1</sup>																	
1	All ages.....	42.5	48.0	1.8		57.8	52.5	50.5	65.2	43.4	47.8	3.2	4.9			5.6	6.1
2	Under 1 year.....	33.3	27.8			36.4	42.9	33.3	30.8	71.4	27.3	2.8	5.6			9.1	15.4
3	1 year.....	84.6	50.0			80.0	50.0	100.0	100.0	100.0		7.7				20.0	
4	2 years.....	62.5	64.3			100.0	25.0	50.0	83.3		100.0						
5	3 years.....	25.0	87.5				66.7			50.0	100.0						
6	4 years.....	60.0	100.0			100.0		100.0	100.0	33.3	100.0						
7	5 to 9 years.....	81.8	50.0			100.0	60.0	80.0	80.0	100.0	50.0						
8	10 to 14 years.....	77.8	54.5			100.0	75.0	100.0	50.0	66.7	50.0						
9	15 to 17 years.....	81.8	78.6			75.0	80.0	100.0	100.0	75.0	66.7	9.1					25.0
10	18 years.....	62.5	100.0			33.3	100.0	80.0	100.0								
11	19 years.....	100.0	100.0			100.0		80.0	100.0		100.0						
12	20 years.....	100.0	100.0			100.0			100.0	100.0							
13	21 years.....	66.7	25.0			50.0		100.0		100.0	50.0		50.0			66.7	
14	22 years.....	33.3	80.0					50.0	100.0		66.7		20.0				
15	23 years.....	50.0	33.3			100.0	100.0			33.3		25.0					33.3
16	24 years.....	85.7	85.7			100.0	100.0	100.0	66.7	50.0	100.0		14.3			33.3	
17	25 years.....	100.0	100.0	100.0		100.0	100.0	100.0	100.0		100.0						
18	26 years.....	40.0	100.0			100.0	50.0	100.0	50.0	50.0	100.0						
19	27 years.....	66.7	71.4				66.7	50.0	100.0	100.0		33.3	14.3			33.3	60.0
20	28 years.....	75.0	60.0				50.0	100.0	100.0	50.0			20.0				50.0
21	29 years.....	50.0	80.0			50.0	100.0		75.0	100.0							
22	30 years.....	75.0	87.5				75.0	100.0	100.0	100.0			12.5			25.0	
23	31 years.....	50.0	33.3			100.0		50.0		100.0	100.0	12.5	33.3				50.0
24	32 to 34 years.....	84.2	83.3			87.5	100.0	87.5	81.8	100.0	85.7	5.3	4.2			12.5	9.1
25	35 to 39 years.....	68.8	55.6			80.0	50.0	57.1	100.0	75.0	50.0		16.7				33.3
26	40 to 44 years.....	45.5	35.7			100.0	66.7	50.0	50.0	60.0		9.1					20.0
27	45 to 49 years.....	26.7	33.3			20.0	100.0	33.3	50.0	33.3	16.7	6.7				20.0	
28	50 to 54 years.....	18.2	25.0			50.0		50.0	50.0		50.0		8.3			20.0	
29	55 to 59 years.....	22.2	30.0			25.0	50.0	66.7	50.0	14.3		5.6				25.0	
30	60 to 64 years.....	14.3	27.3			33.3	33.3		25.0	20.0	50.0						
31	65 years and over.....	7.7	11.6			21.4	21.1		7.7	15.8	15.8	1.3	2.9			7.1	7.7
32	Unknown age.....																
INDIANA, RURAL, GROUP 5. <sup>2</sup>																	
33	All ages.....	51.4	45.3	12.0	2.1	60.8	55.7	53.3	41.7	57.8	58.7	4.4	8.9	8.3	7.5	9.9	2.2
34	Under 1 year.....	47.7	35.0	28.6		42.9	62.5	83.3	25.0	60.0	50.0	4.5			7.1		16.7
35	1 year.....	82.4	54.5			60.0	75.0	100.0	50.0	100.0	66.7	5.9			20.0		
36	2 years.....	83.3	60.0			100.0	66.7	100.0	50.0	100.0	100.0						
37	3 years.....	66.7	100.0			100.0	100.0		100.0		100.0						
38	4 years.....		100.0						100.0								
39	5 to 9 years.....	63.6	88.9			57.1	100.0		50.0	75.0	100.0						
40	10 to 14 years.....	83.3	76.5			83.3	71.4	66.7	66.7	100.0	100.0	8.3	11.8			16.7	14.3
41	15 to 17 years.....	61.5	50.0			33.3	60.0	50.0	33.3	83.3			37.5			40.0	33.3
42	18 years.....	100.0	50.0			100.0	50.0	100.0		100.0	100.0		25.0	100.0			
43	19 years.....	60.0	57.1			50.0	100.0		100.0	100.0							
44	20 years.....	100.0	75.0				50.0	100.0	100.0	100.0							
45	21 years.....	100.0	66.7			100.0	60.0	100.0	100.0	100.0			16.7			20.0	
46	22 years.....		60.0				33.3		100.0		100.0		20.0			33.3	
47	23 years.....	100.0	50.0			100.0	50.0	100.0			100.0		50.0			50.0	100.0
48	24 years.....	66.7	80.0	100.0		75.0	100.0	50.0	50.0	66.7		33.3	10.0			25.0	60.0
49	25 years.....	100.0	55.6			100.0	50.0		60.0	100.0	50.0		44.4			50.0	
50	26 years.....	100.0	66.7				50.0	100.0		100.0	100.0		33.3			50.0	
51	27 years.....	90.9	66.7			100.0	100.0	100.0		100.0			33.3				
52	28 years.....	66.7	100.0			100.0	100.0		100.0	50.0	100.0						100.0
53	29 years.....	90.9	50.0			82.7	100.0	100.0		100.0		9.1	25.0			17.3	50.0
54	30 years.....	100.0	100.0			100.0	100.0	100.0		100.0							
55	31 years.....	83.3	40.0			75.0		100.0		100.0	66.7	16.7	20.0			25.0	50.0
56	32 to 34 years.....	75.0	81.8			83.3	100.0	83.3	85.7	66.7	71.4	6.3	13.6	100.0	16.7		
57	35 to 39 years.....	88.0	68.2	100.0		88.9	66.7	90.0	75.0	80.0	85.7	8.0	9.1		11.1	22.2	28.6
58	40 to 44 years.....	57.1	50.0			100.0	25.0	33.3	50.0	100.0	100.0		12.5			25.0	
59	45 to 49 years.....	33.3	14.3			80.0				50.0		8.3	14.3	100.0			
60	50 to 54 years.....	27.8				25.0		25.0		37.5			11.1				
61	55 to 59 years.....		18.2				50.0			50.0		9.1			33.3		33.3
62	60 to 64 years.....		6.7														
63	65 years and over.....	10.1	11.8	5.9		11.8	16.4	8.7	12.5	15.6	21.4	2.6	2.4	4.8			9.1
64	Unknown age.....																

<sup>1</sup> Includes the following counties: Fountain, Montgomery, Parke, and Vermilion.

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[See note at head of this table, pp. 102, 103.]

<sup>2</sup> Includes the following counties: Boone, Carroll, Clinton, Hamilton, and Tipton.

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## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 6. <sup>1</sup>																	
1	All ages.....	35.6	29.3	3.6	6.4	25.0	25.0	33.3	25.9	61.9	43.5	2.6	10.3	.....	2.1	3.1	9.4
2	Under 1 year.....	13.8	8.7	.....	.....	12.5	14.3	.....	16.7	33.3	.....	6.9	4.3	.....	.....	.....	16.7
3	1 year.....	20.0	55.6	.....	.....	.....	50.0	.....	100.0	100.0	60.0	.....	11.1	.....	.....	.....	20.0
4	2 years.....	45.5	12.5	.....	.....	.....	.....	.....	.....	100.0	50.0	.....	.....	.....	.....	.....	.....
5	3 years.....	.....	60.0	.....	.....	.....	100.0	.....	.....	50.0	50.0	.....	20.0	.....	.....	.....	25.0
6	4 years.....	40.0	60.0	.....	.....	.....	.....	100.0	.....	50.0	100.0	.....	.....	.....	.....	.....	.....
7	5 to 9 years.....	66.7	80.0	.....	.....	.....	100.0	100.0	100.0	100.0	50.0	.....	20.0	.....	.....	.....	50.0
8	10 to 14 years.....	62.5	20.0	.....	.....	.....	.....	100.0	.....	83.3	.....	.....	20.0	.....	.....	100.0	.....
9	15 to 17 years.....	78.6	62.5	.....	.....	100.0	100.0	100.0	100.0	100.0	66.7	.....	25.0	.....	50.0	.....	33.3
10	18 years.....	80.0	100.0	.....	.....	.....	.....	100.0	.....	100.0	100.0	.....	.....	.....	.....	.....	.....
11	19 years.....	100.0	20.0	.....	.....	.....	.....	.....	50.0	100.0	.....	.....	60.0	.....	.....	50.0	66.7
12	20 years.....	40.0	80.0	.....	.....	.....	100.0	.....	.....	66.7	75.0	.....	.....	.....	.....	.....	.....
13	21 years.....	80.0	66.7	.....	.....	100.0	100.0	100.0	100.0	50.0	.....	.....	33.3	.....	.....	.....	100.0
14	22 years.....	100.0	50.0	.....	.....	.....	.....	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....
15	23 years.....	75.0	50.0	.....	.....	.....	.....	.....	.....	100.0	100.0	.....	50.0	.....	.....	100.0	.....
16	24 years.....	100.0	50.0	.....	.....	.....	50.0	.....	.....	100.0	.....	.....	.....	.....	.....	.....	.....
17	25 years.....	75.0	33.3	100.0	.....	.....	.....	50.0	50.0	100.0	.....	.....	.....	.....	.....	.....	.....
18	26 years.....	100.0	66.7	.....	.....	100.0	.....	.....	.....	100.0	80.0	.....	.....	.....	.....	.....	.....
19	27 years.....	60.0	50.0	.....	.....	100.0	.....	.....	100.0	50.0	40.0	.....	33.3	.....	.....	.....	40.0
20	28 years.....	100.0	100.0	.....	.....	100.0	100.0	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....
21	29 years.....	75.0	100.0	.....	.....	.....	.....	.....	.....	50.0	100.0	.....	25.0	.....	.....	.....	60.0
22	30 years.....	100.0	25.0	.....	.....	.....	.....	.....	50.0	100.0	.....	.....	25.0	.....	.....	.....	100.0
23	31 years.....	100.0	50.0	.....	.....	100.0	.....	.....	.....	100.0	50.0	.....	.....	.....	.....	.....	.....
24	32 to 34 years.....	75.0	46.2	.....	.....	100.0	100.0	100.0	25.0	75.0	50.0	12.5	23.1	.....	.....	.....	25.0
25	35 to 39 years.....	78.6	43.8	.....	25.0	100.0	33.3	50.0	50.0	83.3	57.1	7.1	18.8	.....	33.3	25.0	28.6
26	40 to 44 years.....	60.0	25.0	.....	25.0	.....	.....	.....	.....	50.0	40.0	.....	16.7	.....	50.0	.....	20.0
27	45 to 49 years.....	80.0	40.0	.....	.....	.....	.....	50.0	.....	40.0	100.0	.....	.....	.....	.....	.....	.....
28	50 to 54 years.....	16.7	13.5	.....	.....	20.0	16.7	.....	.....	50.0	16.7	.....	6.7	.....	100.0	16.7	.....
29	55 to 59 years.....	.....	6.7	.....	.....	.....	.....	.....	.....	.....	20.0	.....	13.3	.....	.....	.....	20.0
30	60 to 64 years.....	6.7	40.0	.....	.....	20.0	50.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....
31	65 years and over.....	5.3	9.0	4.3	6.3	4.3	9.1	7.1	.....	6.7	18.2	1.3	2.6	.....	4.3	4.5	4.5
32	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
INDIANA, RURAL, GROUP 7. <sup>2</sup>																	
33	All ages.....	48.6	48.4	8.1	6.8	55.7	52.2	55.3	59.3	50.5	54.0	0.4	4.3	.....	.....	3.1	4.3
34	Under 1 year.....	29.4	24.0	.....	.....	18.2	40.0	25.0	28.6	45.5	22.2	8.8	4.0	.....	.....	9.1	.....
35	1 year.....	33.8	50.0	.....	.....	80.0	100.0	50.0	100.0	66.7	.....	.....	12.5	.....	.....	12.5	.....
36	2 years.....	62.5	100.0	.....	.....	.....	100.0	66.7	100.0	.....	100.0	.....	.....	.....	.....	.....	50.0
37	3 years.....	100.0	75.0	.....	.....	100.0	50.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....
38	4 years.....	50.0	75.0	.....	.....	.....	100.0	100.0	100.0	.....	100.0	.....	.....	.....	.....	.....	.....
39	5 to 9 years.....	66.7	75.0	.....	100.0	.....	66.7	100.0	50.0	100.0	100.0	.....	.....	.....	.....	.....	.....
40	10 to 14 years.....	100.0	66.7	.....	.....	100.0	100.0	100.0	50.0	100.0	100.0	.....	.....	.....	.....	.....	.....
41	15 to 17 years.....	85.7	83.3	.....	.....	100.0	80.0	100.0	100.0	80.0	100.0	.....	.....	.....	.....	.....	.....
42	18 years.....	100.0	100.0	100.0	.....	.....	100.0	.....	100.0	.....	100.0	.....	.....	.....	.....	.....	.....
43	19 years.....	75.0	.....	.....	.....	100.0	.....	100.0	.....	.....	.....	.....	33.3	.....	.....	.....	100.0
44	20 years.....	100.0	100.0	.....	.....	100.0	.....	100.0	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....
45	21 years.....	75.0	80.0	.....	.....	.....	66.7	80.0	100.0	66.7	.....	.....	.....	.....	.....	.....	.....
46	22 years.....	60.0	60.0	.....	.....	50.0	50.0	100.0	66.7	100.0	.....	.....	20.0	.....	.....	50.0	.....
47	23 years.....	100.0	100.0	.....	.....	.....	100.0	.....	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....
48	24 years.....	100.0	100.0	.....	.....	100.0	.....	100.0	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....
49	25 years.....	100.0	100.0	.....	.....	100.0	100.0	100.0	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....
50	26 years.....	100.0	100.0	.....	.....	.....	100.0	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....
51	27 years.....	66.7	75.0	.....	.....	66.7	100.0	100.0	66.7	75.0	.....	.....	25.0	.....	.....	.....	.....
52	28 years.....	100.0	87.5	.....	.....	.....	100.0	.....	100.0	100.0	100.0	.....	.....	.....	.....	.....	33.3
53	29 years.....	100.0	60.0	.....	.....	100.0	100.0	100.0	.....	.....	33.3	.....	20.0	.....	.....	.....	33.3
54	30 years.....	60.0	100.0	.....	.....	100.0	.....	66.7	100.0	.....	100.0	.....	.....	.....	.....	.....	.....
55	31 years.....	66.7	77.8	.....	.....	.....	66.7	100.0	100.0	.....	100.0	33.3	.....	.....	.....	.....	.....
56	32 to 34 years.....	72.2	66.7	.....	.....	80.0	71.4	75.0	75.0	75.0	66.7	11.1	16.7	.....	20.0	14.3	100.0
57	35 to 39 years.....	63.6	55.0	.....	.....	42.9	50.0	62.5	50.0	85.7	83.3	.....	10.0	.....	.....	16.7	12.5
58	40 to 44 years.....	40.0	46.7	.....	.....	40.0	.....	66.7	66.7	33.3	75.0	20.0	6.7	.....	20.0	33.3	16.7
59	45 to 49 years.....	23.6	42.9	.....	.....	.....	.....	66.7	66.7	57.1	.....	.....	.....	.....	.....	.....	.....
60	50 to 54 years.....	50.0	37.5	.....	50.0	100.0	.....	100.0	50.0	50.0	.....	.....	12.5	.....	.....	50.00	.....
61	55 to 59 years.....	.....	25.0	.....	.....	.....	.....	.....	50.0	.....	.....	.....	.....	.....	.....	.....	.....
62	60 to 64 years.....	25.0	17.6	.....	.....	100.0	20.0	20.0	33.3	33.3	33.3	8.3	.....	.....	.....	.....	33.3
63	65 years and over.....	10.0	19.5	7.1	6.3	10.0	21.7	13.0	20.0	8.7	24.2	1.3	1.1	.....	.....	4.3	5.0
64	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Includes the following counties: Adams, Blackford, Jay, Randolph, and Wells.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
506.6	444.6	43.1	68.0	333.2	350.9	387.5	317.5	1,219.4	1,030.8	36.9	155.6	.....	22.7	41.6	131.6	21.0	68.0	83.3	391.8
932.9	510.2	.....	.....	920.4	1,006.8	.....	1,041.0	2,761.3	.....	466.5	255.1	.....	.....	.....	.....	1,041.0	1,840.9	.....	.....
480.8	759.0	.....	.....	.....	4,992.6	245.2	258.1	1,660.3	2,216.7	.....	126.5	.....	.....	.....	.....	.....	.....	499.3	.....
199.8	206.9	.....	.....	.....	204.1	407.7	422.1	394.3	204.1	.....	51.7	.....	.....	.....	.....	.....	.....	204.1	.....
259.4	53.4	.....	.....	.....	.....	.....	217.8	1,023.6	.....	.....	53.4	.....	.....	210.7	.....	.....	.....	.....	.....
1,000.0	462.8	.....	.....	358.8	730.7	1,112.8	377.7	2,511.4	730.7	.....	185.1	.....	377.7	.....	.....	.....	.....	365.3	.....
679.2	432.7	.....	.....	.....	.....	554.5	683.5	2,144.5	1,138.4	.....	432.7	.....	.....	.....	.....	588.5	.....	1,138.4	.....
570.6	1,111.5	.....	.....	.....	1,096.7	.....	.....	2,251.9	3,290.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
755.7	574.4	65.6	133.9	698.0	323.8	590.4	401.8	1,649.7	1,421.8	48.2	213.3	.....	.....	129.5	65.6	67.0	126.9	647.6	.....
222.2	352.2	90.7	102.6	263.1	397.1	181.3	102.6	350.8	794.1	44.4	125.8	.....	.....	176.4	297.8	.....	.....	198.5	.....
864.7	898.6	67.4	70.6	1,173.7	1,091.2	1,168.6	1,198.7	1,043.3	1,227.6	71.6	80.6	.....	.....	65.2	90.9	112.4	94.0	108.7	136.4
2,753.2	1,661.2	1,123.4	.....	2,173.1	2,189.2	2,246.8	2,263.5	5,432.8	2,189.2	826.0	277.4	.....	.....	1,086.6	.....	1,123.4	1,131.7	1,086.6	.....
1,075.5	1,226.8	.....	.....	2,122.3	2,151.8	1,645.7	1,668.6	530.6	1,075.9	67.2	68.2	.....	.....	.....	.....	274.3	.....	269.0	.....
210.5	330.1	.....	224.5	.....	434.5	429.5	224.5	415.4	434.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,059.0	220.9	.....	.....	2,507.5	218.0	1,512.3	460.8	209.0	218.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,032.2	967.6	.....	.....	2,376.3	1,527.5	351.0	1,184.6	1,357.9	1,145.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
554.7	458.6	565.9	.....	547.3	603.3	1,131.7	623.7	.....	603.3	.....	152.9	.....	.....	.....	.....	.....	.....	603.3	.....
155.9	371.7	.....	.....	246.1	.....	127.2	2,371.2	246.1	1,146.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,166.9	1,299.3	.....	.....	1,201.4	1,619.2	1,725.1	1,743.9	1,735.3	1,821.6	118.4	153.9	.....	.....	133.5	202.4	138.0	209.3	200.2	202.4
388.3	748.6	93.2	203.6	360.6	590.8	559.2	916.3	540.9	1,280.1	45.7	49.9	.....	.....	98.5	93.2	.....	90.1	93.5	.....

\* Includes the following counties: Clay, Hendricks, Morgan, Owen, and Putnam.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A. PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

## PER CENT OF DEATHS BY SEX.

AREA AND AGE.		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 8. <sup>1</sup>																					
1	All ages.....	34.6	41.7	1.7	1.4	43.9	50.0	34.5	47.5	43.6	57.4	4.0	6.0	1.7	1.4	3.7	10.4	5.6	3.8	5.9	6.4
2	Under 1 year.....	25.7	18.8			28.6	20.0	42.9	42.9	26.7	20.0	2.9	9.4				20.0		14.3	6.7	10.0
3	1 year.....	38.5	41.7			28.6	33.3	50.0	100.0	100.0	100.0	23.1	8.3			28.6	16.7	50.0			
4	2 years.....	20.0	75.0				66.7		100.0	100.0	100.0										
5	3 years.....	50.0	50.0							50.0	60.0		16.7				100.0				
6	4 years.....	75.0	100.0			100.0			100.0	100.0	100.0										
7	5 to 9 years.....	71.4	83.3			100.0	100.0	50.0	100.0	100.0	100.0		16.7		100.0						
8	10 to 14 years.....	72.7	69.2			100.0	80.0	66.7	66.7	75.0	75.0		15.4				20.0				25.0
9	15 to 17 years.....	50.0	100.0			66.7	100.0	40.0	100.0	50.0	100.0										
10	18 years.....	80.0	75.0			100.0	100.0	100.0	100.0	100.0	100.0										
11	19 years.....	100.0	100.0				100.0		100.0	100.0	100.0										
12	20 years.....	100.0	100.0			100.0	100.0		100.0	100.0	100.0										
13	21 years.....	60.0	50.0			50.0		100.0	100.0	100.0	100.0		50.0				100.0				
14	22 years.....	100.0	33.3			100.0				100.0	50.0		33.3								60.0
15	23 years.....	100.0	100.0						100.0	100.0	100.0										
16	24 years.....	80.0	42.9					75.0	100.0	100.0	66.7		42.9				66.7				33.3
17	25 years.....	28.6	66.7			25.0	100.0	100.0	33.3		100.0	28.6	16.7					33.3	100.0		
18	26 years.....	100.0	75.0			100.0	100.0	100.0	66.7	100.0											
19	27 years.....	50.0	80.0			100.0	100.0				66.7										
20	28 years.....	100.0	71.4			100.0	50.0		100.0	100.0	100.0										
21	29 years.....	100.0	75.0			100.0	100.0		50.0	100.0	100.0		12.5					50.0			
22	30 years.....	60.0	60.0			100.0	50.0		100.0	100.0	100.0										
23	31 years.....	66.7				100.0		50.0													
24	32 to 34 years.....	72.2	91.7			100.0	100.0	100.0	100.0	80.0	83.3										
25	35 to 39 years.....	80.0	40.9			100.0	44.4	75.0	25.0	85.7	66.7	5.0	13.6				11.1			14.3	33.3
26	40 to 44 years.....	23.1	66.7			33.3	50.0	25.0	100.0		100.0	15.4	8.3				25.0	25.0		50.0	
27	45 to 49 years.....	15.4	30.8				50.0	33.3		20.0	33.3	7.7				20.0					
28	50 to 54 years.....	7.7	35.3				66.7			50.0	50.0		5.9				16.7				
29	55 to 59 years.....	7.7	9.1					16.7	100.00			7.7		33.3							
30	60 to 64 years.....	11.1	6.7			16.7				20.0	50.0		5.6			16.7					
31	65 years and over.....	5.9	15.1	3.6	3.8	7.4	10.0	10.5	24.0	3.7	22.7	2.0	1.1				5.0	5.3		3.7	
32	Unknown age.....																				
INDIANA, RURAL, GROUP 9. <sup>2</sup>																					
33	All ages.....	48.4	43.6	4.3	3.6	33.8	36.1	67.5	62.4	57.3	48.8	4.4	6.6		3.6	6.3	6.9	4.8	6.4	4.5	8.5
34	Under 1 year.....	25.0	22.7	7.7		25.0	25.0	20.0	45.5	55.6	25.0	4.2	6.8		7.7	6.3		10.0			25.0
35	1 year.....	33.3	56.5			25.0	60.0	33.3	100.0	66.7	100.0	16.7	8.7		12.5	25.0	20.0	33.3			
36	2 years.....	80.0	60.0		33.3			83.3	80.0	100.0	100.0										
37	3 years.....	85.7	100.0			66.7		100.0	100.0	100.0	100.0										
38	4 years.....	85.7	60.0					100.0	62.5	75.0	50.0	14.3	10.0					12.6	25.0		
39	5 to 9 years.....	82.4	85.7			80.0	50.0	85.7	100.0	80.0	100.0										
40	10 to 14 years.....	75.0	58.3				50.0	83.3	83.3	100.0	33.3	8.3						16.7			
41	15 to 17 years.....	63.6	66.7			66.7	33.3	66.7	75.0	100.0	100.0		11.1				33.3				
42	18 years.....	100.0	50.0			100.0		100.0	100.0		100.0										
43	19 years.....	66.7	66.7	50.0			100.0		100.0		100.0										
44	20 years.....	100.0	100.0			100.0	100.0		100.0	100.0	100.0										
45	21 years.....	100.0	60.0			100.0		100.0		75.0			40.0				100.0		25.0		
46	22 years.....		33.3				50.0						33.3					100.0			
47	23 years.....	60.0	50.0					100.0		66.7	50.0	40.0				100.0				33.3	
48	24 years.....	60.0	40.0			66.7		100.0	50.0		33.3		60.0					50.0			66.7
49	25 years.....	100.0	66.7		100.0			100.0	50.0	100.0	100.0										
50	26 years.....	75.0	80.0			100.0	75.0		100.0	50.0		25.0	10.0				25.0			50.0	
51	27 years.....	100.0	85.7				100.0	100.0	100.0	100.0	100.0										
52	28 years.....	100.0	50.0					100.0	100.0	100.0	66.7										
53	29 years.....	100.0	71.4			100.0		100.0	80.0	100.0	100.0										
54	30 years.....	77.8	77.8			33.3	66.7	100.0	100.0	100.0	50.0										
55	31 years.....	80.0	100.0					100.0	100.0	100.0											
56	32 to 34 years.....	83.3	50.0					100.0	71.4	75.0	100.0	5.6	16.7				25.0		14.3	12.5	
57	35 to 39 years.....	81.3	50.0					100.0	60.0	33.3	60.0		16.7						20.0		20.0
58	40 to 44 years.....	40.9	41.7			20.0	50.0	60.0	42.9	40.0	50.0		8.3					14.3			
59	45 to 49 years.....	28.6	30.8					44.4	60.0		25.0	14.3					25.0				
60	50 to 54 years.....	50.0	42.9			33.3		100.0	50.0	50.0	100.0	12.5				33.3		11.1			
61	55 to 59 years.....	25.0				33.3				50.0			16.7								100.0
62	60 to 64 years.....	8.3	9.1				50.0			50.0			16.7					50.0			
63	65 years and over.....		12.7				26.7		11.8		14.3		1.6					5.9			
64	Unknown age.....	50.0					50.0														

<sup>1</sup> Includes the following counties: Hancock, Henry, Johnson, Rush, and Shelby.

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[See note at head of this table, pp. 102, 103.]

<sup>2</sup> Includes the following counties: Daviess, Greene, Martin, and Sullivan.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 10. <sup>1</sup>																	
1	All ages.....	38.2	41.3	3.2		26.0	32.9	52.9	45.2	52.3	63.1	4.3	7.1	3.2	2.1	8.2	9.6
2	Under 1 year.....	39.6	33.3	10.0		25.0	20.0	63.6	60.0	53.3	54.5	9.1				20.0	
3	1 year.....	27.5	50.0			33.3		66.7	66.7	44.4	66.7	9.1	16.7			100.0	16.7
4	2 years.....	83.9	61.5				66.7	66.7	100.0	100.0	100.0	11.1				33.3	
5	3 years.....	75.0	71.4					100.0	66.7	60.0	100.0					100.0	
6	4 years.....	100.0	100.0							100.0	100.0						
7	5 to 9 years.....	55.6	71.4			100.0	100.0	66.7	60.0	100.0	83.3	7.1					16.7
8	10 to 14 years.....	46.7	71.4			75.0	66.7	60.0	60.0	33.3	100.0	20.0				16.7	66.7
9	15 to 17 years.....	64.3	69.2			100.0	100.0	67.1	60.0	60.0	100.0	7.1	7.7			14.3	16.7
10	18 years.....	60.0	75.0			100.0		60.0	100.0	60.0	100.0	12.5					25.0
11	19 years.....	55.6	67.1			60.0		33.3	33.3	75.0	75.0	22.2	14.3			66.7	33.3
12	20 years.....	85.7				100.0		100.0		100.0							
13	21 years.....	75.0				100.0		100.0				100.0				100.0	
14	22 years.....	60.0	60.0				60.0	100.0	100.0		100.0		20.0			60.0	
15	23 years.....	100.0								100.0							
16	24 years.....	100.0	67.1				100.0	100.0			66.7		14.3				100.0
17	25 years.....	66.7	66.7			100.0			100.0	60.0	60.0		16.7				20.0
18	26 years.....	33.3	40.0				33.3	100.0	100.0				40.0			33.3	100.0
19	27 years.....	100.0	71.4			100.0	60.0	100.0	60.0	100.0	100.0		28.6			60.0	
20	28 years.....	60.0	100.0				100.0	60.0	100.0	66.7	100.0						
21	29 years.....	87.5	100.0			60.0		100.0	100.0	100.0	100.0						
22	30 years.....	60.0	60.0				100.0	60.0		100.0	100.0	25.0				60.0	
23	31 years.....	60.0	33.3					60.0	60.0	50.0	25.0		16.7				25.0
24	32 to 34 years.....	91.7	66.7			66.7	100.0	100.0	77.8	100.0	66.7		9.6				33.3
25	35 to 39 years.....	63.6	50.0			33.3		60.0	62.5		66.7		9.1		33.3	25.0	12.5
26	40 to 44 years.....	45.0	50.8				60.0	42.9	33.3	66.7	60.0	10.0	7.7			14.3	16.7
27	45 to 49 years.....	17.6	44.4			14.3				60.0	100.0						
28	50 to 54 years.....	33.3	37.5					66.7	40.0	25.0	66.7		6.3				
29	55 to 59 years.....	12.6	16.7							40.0	66.7		8.3		14.3		33.3
30	60 to 64 years.....	16.7	8.3			12.6		33.3		16.7	33.3	11.1				33.3	16.7
31	65 years and over.....	7.5	9.5	3.4		6.6	8.3	19.0	18.5	4.0	9.6		3.2	8.7			4.8
32	Unknown age.....																
INDIANA, RURAL, GROUP 11. <sup>2</sup>																	
33	All ages.....	38.9	39.6	3.8	10.2	46.2	48.0	41.1	39.6	46.5	47.1	4.6	9.2	1.9	1.7	3.8	9.0
34	Under 1 year.....	20.0	22.2				20.0	27.5	12.6	42.9	36.4	3.3					14.3
35	1 year.....	44.4	41.7			60.0	66.7	100.0	66.7		50.0		8.3				
36	2 years.....	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0						33.3
37	3 years.....	100.0	100.0			100.0		100.0	100.0	100.0	100.0						
38	4 years.....	100.0	100.0							100.0	100.0						
39	5 to 9 years.....	71.4	75.0			60.0	66.7	100.0	100.0	100.0	100.0						
40	10 to 14 years.....	54.5	60.0			100.0		60.0	100.0	75.0	66.7	18.2		33.3		60.0	
41	15 to 17 years.....	90.9	60.0			100.0	66.7	80.0			100.0	9.1	16.7			20.0	100.0
42	18 years.....	33.3	100.0				100.0	60.0	100.0		100.0	33.3				60.0	
43	19 years.....	66.7	62.5			100.0	100.0		100.0	100.0	25.0		12.6				25.0
44	20 years.....	100.0	60.0			100.0	66.7	100.0		100.0	60.0		20.0			33.3	
45	21 years.....	67.1	66.7			60.0	100.0	100.0		60.0	60.0		14.3				25.0
46	22 years.....		80.0				100.0		100.0		100.0		33.3		100.0		
47	23 years.....	60.0	44.4				60.0	100.0			100.0		11.1				33.3
48	24 years.....	71.4	60.0			100.0	100.0		75.0	100.0	60.0						
49	25 years.....	100.0	85.7			100.0	100.0		66.7	100.0	100.0		14.3				33.3
50	26 years.....	83.3	40.0			66.7	33.3	100.0	33.3	100.0	100.0		16.3		33.3		66.7
51	27 years.....	60.0	70.0				60.0		100.0	100.0	100.0		25.0			60.0	
52	28 years.....	85.7	60.0			100.0	100.0	100.0	33.3	100.0	100.0		20.0		60.0		33.3
53	29 years.....	66.7	66.7			100.0				100.0	100.0	33.3	33.3			100.0	100.0
54	30 years.....	60.0	37.5				100.0	100.0	100.0	100.0	100.0						
55	31 years.....	80.0	66.7			100.0		66.7	100.0	66.7							
56	32 to 34 years.....	46.2	66.7			33.3	33.3	100.0	60.0	42.9	67.1	16.4	13.3		33.3		60.0
57	35 to 39 years.....	65.0	55.0	33.3		66.7	33.3	75.0	66.7	66.7	37.6		20.0			33.3	25.0
58	40 to 44 years.....	50.0	6.9			33.3	33.3	60.0		67.1		6.3	17.6			40.0	14.3
59	45 to 49 years.....	12.5	52.9			28.6	60.0		33.3		62.5		6.9				
60	50 to 54 years.....	26.7	20.0		20.0	16.7	60.0	14.3	25.0	25.0	100.0		6.7				25.0
61	55 to 59 years.....	20.0	28.6					40.0	20.0	25.0	37.6		21.4			20.0	25.0
62	60 to 64 years.....	19.2	20.0			25.0	28.6		25.0	30.0	16.7		7.7		12.6		10.0
63	65 years and over.....	14.1	15.2	6.5	18.2	25.0	11.1	16.0	11.8	15.6	19.2	2.0	8.7			18.5	6.3
64	Unknown age.....																

<sup>1</sup> Includes the following counties: Bartholomew, Brown, Decatur, Jackson, Jennings, Monroe, and Scott.

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[See note at head of this table, pp. 102, 103.]

<sup>2</sup> Includes the following counties: Dearborn, Fayette, Franklin, Jefferson, Ohio, Ripley, Switzerland, and Union.

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## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 12. <sup>1</sup>																	
1	All ages.....	44.8	45.8			51.9	48.3	50.0	53.6	50.5	53.4	4.2	4.4	2.4	3.9	4.5	4.1
2	Under 1 year.....	37.5	37.1			23.1	25.0	71.4	45.5	57.1	83.3	3.1	2.9		7.7	8.8	
3	1 year.....	53.3	55.6			66.7	66.7	100.0	66.7	100.0	50.0	13.3	11.1	33.3		33.3	16.7
4	2 years.....	80.0	76.9			66.7	100.0	100.0	87.5	100.0	66.7		7.7				33.3
5	3 years.....	66.7	50.0			75.0	50.0		75.0	75.0							
6	4 years.....		66.7				100.0	100.0		33.3		16.7					33.3
7	5 to 9 years.....	50.0	80.0				100.0	33.3	71.4	75.0	100.0		6.7			14.3	
8	10 to 14 years.....	62.5	75.0			33.3	80.0	66.7	83.3	100.0	60.0	12.5		33.3			
9	15 to 17 years.....	83.3	53.9			100.0	100.0	85.7	50.0	75.0	50.0		7.7			16.7	
10	18 years.....	100.0	50.0			100.0	100.0	100.0		100.0							
11	19 years.....	100.0	71.4			100.0		100.0	66.7	100.0	100.0		14.3		100.0		
12	20 years.....	66.7	100.0					100.0		50.0	100.0						
13	21 years.....	66.7	66.7				75.0		66.7	100.0	50.0						
14	22 years.....	50.0	60.0			50.0			50.0	100.0	100.0	25.0			50.0		
15	23 years.....	100.0	55.6			100.0	100.0		66.7		50.0		22.2			33.3	25.0
16	24 years.....	66.7	71.4			100.0	75.0			100.0	66.7						
17	25 years.....	100.0	60.0			100.0	50.0		100.0	100.0							
18	26 years.....	85.7	55.6			100.0	50.0	50.0		100.0	75.0		28.6		50.0		25.0
19	27 years.....	100.0	75.0			100.0	100.0	100.0	50.0	100.0	50.0						
20	28 years.....	87.5	85.7			100.0	100.0	100.0	100.0	66.7	100.0						
21	29 years.....	75.0	100.0			100.0	100.0	50.0		66.7	100.0	12.5			50.0		
22	30 years.....	100.0	80.0			100.0	100.0		100.0		50.0						
23	31 years.....	60.0	50.0						66.7	60.0		25.0				33.3	
24	32 to 34 years.....	77.8	66.7			100.0		100.0	50.0	50.0	100.0		11.1			16.7	
25	35 to 39 years.....	50.0	47.1			50.0	66.7	80.0	33.3	33.3	66.7	14.3	5.9		16.7		33.3
26	40 to 44 years.....	53.8	50.0			50.0		66.7	50.0	75.0	100.0						
27	45 to 49 years.....	16.7	50.0				100.0	20.0		25.0	100.0	8.3				20.0	
28	50 to 54 years.....																
29	55 to 59 years.....	27.3	8.3				33.3			60.0		9.1				25.0	
30	60 to 64 years.....		20.0				20.0		22.2								
31	65 years and over.....	6.1	10.3				6.7	13.3	16.7	5.0	16.7	3.4				6.7	5.0
32	Unknown age.....																
INDIANA, RURAL, GROUP 13. <sup>2</sup>																	
33	All ages.....	45.3	39.2	5.9	1.9	54.0	54.4	54.7	38.1	48.9	43.5	4.6	5.8	2.0	3.7	9.0	8.7
34	Under 1 year.....	25.0	13.8	8.3		16.7		66.7		80.0	40.0	7.5	6.9	12.5	16.7		10.0
35	1 year.....	75.0	46.2	33.3		85.7	66.7	80.0	42.9	100.0	33.3		30.8			28.6	33.3
36	2 years.....	75.0	88.9			100.0	100.0	66.7	75.0	75.0	100.0						
37	3 years.....	70.0	62.5			75.0	66.7		100.0	66.7	50.0	20.0	12.5	100.0	25.0		16.7
38	4 years.....	66.7	60.0			66.7	66.7	66.7			100.0	20.0	20.0			33.3	
39	5 to 9 years.....	90.9	80.0			100.0	80.0	100.0	100.0	85.7	100.0						
40	10 to 14 years.....	52.6	62.5			42.9	57.1	50.0	33.3	75.0	100.0	15.8	18.8	50.0	28.6	42.9	
41	15 to 17 years.....	80.0	58.3			100.0	57.1	100.0	100.0	100.0							
42	18 years.....	58.3	66.7				50.0	33.3	50.0		100.0	33.3				33.3	
43	19 years.....	80.0	33.3			75.0	50.0	100.0				20.0		25.0			
44	20 years.....	100.0	66.7			100.0		100.0	100.0		50.0						
45	21 years.....		66.7				75.0		50.0								
46	22 years.....	100.0	54.5			100.0	71.4	100.0		100.0	50.0						
47	23 years.....	100.0	50.0					100.0	100.0								
48	24 years.....	80.0				100.0		100.0				100.0					100.0
49	25 years.....		50.0					75.0			100.0						
50	26 years.....	50.0										40.0					66.7
51	27 years.....	33.3	33.3				50.0	100.0			50.0		16.7			100.0	
52	28 years.....	75.0	80.0			66.7	75.0	100.0			100.0						
53	29 years.....	87.5	100.0			100.0	100.0	100.0		100.0	100.0						
54	30 years.....	83.3	85.7			100.0	100.0	100.0	100.0								
55	31 years.....	75.0	42.9			100.0	33.3	66.7	50.0		50.0						
56	32 to 34 years.....	69.2	75.0		50.0	85.7	100.0	25.0	50.0	100.0	66.7	7.7	12.5		14.3		33.3
57	35 to 39 years.....	68.8	43.8			60.0	66.7	100.0	20.0	75.0	50.0	6.3	12.5		20.0	16.7	20.0
58	40 to 44 years.....	60.0	44.4			60.0	50.0	80.0	50.0	50.0	50.0						
59	45 to 49 years.....	25.0	25.0				40.0	40.0	20.0	33.3							25.0
60	50 to 54 years.....	11.1	8.3	50.0					50.0	66.7	20.0	11.1	8.3			50.0	20.0
61	55 to 59 years.....	42.9	12.5			50.0	25.0										
62	60 to 64 years.....	14.3	16.7					20.0	66.7	40.0	20.0						
63	65 years and over.....	12.3	16.2			15.4	35.0	12.5	6.3	16.7	21.4	3.1			7.7		4.2
64	Unknown age.....																

<sup>1</sup> Includes the following counties: Gibson, Pike, Posey, Spencer, and Warrick.

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[See note at head of this table, pp. 102, 103.]

<sup>2</sup> Includes the following counties: Crawford, Dubois, Harrison, Lawrence, Orange, Perry, and Washington.

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## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.								Influenza and pneumonia (all forms), contributory cause.							
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
INDIANA, RURAL, GROUP 14. <sup>1</sup>																	
1	All ages.....	33.6	38.1	6.6	3.2	37.5	36.1	39.6	48.0	42.2	47.1	4.6	8.4	3.0	4.0	3.6	10.2
2	Under 1 year.....	24.1	20.9			28.2	16.7	20.0	80.0	39.3	46.7	2.7	1.5			2.6	1.5
3	1 year.....	64.1	51.4	11.1	16.7	60.0	25.0	90.0	80.0	90.0	100.0	2.6	2.7		5.6	2.6	8.0
4	2 years.....	55.6	75.0			80.0	85.7	75.0	80.0	75.0	66.7				10.0	6.3	
5	3 years.....	60.0	77.8	33.3		100.0	66.7	66.7	100.0	50.0	100.0						
6	4 years.....	85.7	69.2	50.0		100.0	50.0	85.7	75.0	100.0	100.0						
7	5 to 9 years.....	52.2	75.9			50.0	87.5	100.0	81.8	33.3	66.7	4.3	10.3			12.5	
8	10 to 14 years.....	37.5	64.0			16.7	40.0	44.4	81.8	50.0	62.5	4.2	16.0			40.0	11.1
9	15 to 17 years.....	54.8	57.6			33.3	25.0	50.0	85.7	86.7	54.5	6.5	6.1			8.3	16.7
10	18 years.....	50.0	85.7			33.3	100.0	60.0		66.7	100.0	25.0			66.7		33.3
11	19 years.....	55.0	66.7			50.0		75.0	75.0	75.0	66.7		5.6				11.1
12	20 years.....	78.9	77.8	100.0		40.0	100.0	75.0	100.0	100.0	50.0						
13	21 years.....	55.6	75.0		50.0		50.0	60.0	87.5	66.7	83.3	11.1	5.0		100.0	25.0	
14	22 years.....	77.8	70.0			75.0	66.7	100.0	100.0		75.0		10.0			33.3	
15	23 years.....	62.5	50.0			100.0	40.0		60.0	33.3	57.1	25.0	22.2			40.0	20.0
16	24 years.....	50.0	68.8			75.0	57.1	25.0	60.0	66.7	100.0	16.7	18.8			28.6	50.0
17	25 years.....	61.5	53.8			66.7	40.0	57.1	62.5	66.7		15.4	15.4			20.0	28.6
18	26 years.....	37.5	65.0			50.0	75.0		80.0	33.3	60.0	12.5	25.0		25.0	25.0	12.5
19	27 years.....	57.1	35.7			50.0	50.0	100.0	40.0	62.5	33.3	7.1	50.0		50.0	40.0	12.5
20	28 years.....	70.0	69.2			100.0		50.0	40.0	75.0	100.0	10.0	7.7			20.0	25.0
21	29 years.....	57.1	50.0			100.0	60.0	100.0	66.7		50.0		12.5				33.3
22	30 years.....	84.6	61.5			100.0	66.7	60.0	50.0	100.0	71.4	7.7	23.1			33.3	20.0
23	31 years.....	75.0	62.5			100.0	25.0	33.3	60.0	100.0	85.7		6.3			25.0	
24	32 to 34 years.....	67.9	61.8			100.0	50.0	53.8	76.9	77.8	61.5	3.6	17.6		100.0	33.3	7.7
25	35 to 39 years.....	56.7	32.5			72.7	33.3	55.6	54.5	53.3	36.4	3.3	17.5		22.2	11.1	5.6
26	40 to 44 years.....	28.0	37.1	20.0			80.0	33.3	36.4	33.3	38.5	4.0	8.6			11.1	9.1
27	45 to 49 years.....	42.9	18.2			62.5	25.0	50.0	40.0	50.0	10.0	3.6	18.2			25.0	
28	50 to 54 years.....	17.1	26.7	10.0	16.7	37.5	57.1	11.1	20.0	12.5	16.7	14.3	10.0		10.0	14.3	11.1
29	55 to 59 years.....	22.4	7.4			20.0		26.7		33.3	25.0	4.1	11.1			11.1	
30	60 to 64 years.....	18.0	24.2			15.4	33.3	25.0	25.0	36.4	33.3	6.0	3.0		7.7	8.3	
31	65 years and over.....	9.0	10.2	6.3		8.3	15.2	9.0	7.3	11.8	13.9	3.3	2.6		3.8	2.4	3.6
32	Unknown age.....	50.0				50.0										3.0	1.5
INDIANA, RURAL, GROUP 15. <sup>2</sup>																	
33	All ages.....	38.2	44.4	2.7	2.0	43.4	55.8	43.8	52.9	47.1	44.7	2.4	3.8	2.7	2.0	1.4	2.9
34	Under 1 year.....	27.7	23.5			28.6	28.6	33.3	33.3	37.5	22.2	4.3	2.9			5.4	7.7
35	1 year.....	69.2	88.2	9.1		66.7	100.0		33.3	87.5	100.0	7.7	5.9		9.1	7.1	14.3
36	2 years.....	50.0	77.8			66.7	100.0		100.0	60.0	50.0		11.1		33.3		
37	3 years.....	100.0	66.7			100.0		100.0	100.0	100.0	100.0				100.0		
38	4 years.....	80.0	66.7			66.7		100.0	50.0	100.0	100.0		33.3				
39	5 to 9 years.....	72.7	66.7			50.0	50.0	100.0	100.0	100.0	100.0						
40	10 to 14 years.....	70.0	81.3			100.0	100.0	33.3	100.0	66.7	66.7	10.0				33.3	
41	15 to 17 years.....	64.3	68.8			50.0	71.4	71.4	75.0	60.0	60.0						
42	18 years.....	90.0	50.0			80.0	100.0	100.0		100.0		7.1	6.3			25.0	20.0
43	19 years.....	75.0	60.0			100.0	75.0	50.0					16.7			100.0	
44	20 years.....	50.0	66.7			100.0	100.0			100.0							
45	21 years.....		83.3				66.7				100.0						
46	22 years.....	33.3	80.0			100.0	100.0		100.0								
47	23 years.....	66.7	66.7				50.0	50.0	100.0	100.0							
48	24 years.....		50.0				66.7		33.3		66.7						
49	25 years.....	83.3	83.3			100.0		100.0	100.0	50.0	66.7						
50	26 years.....	40.0	87.5			50.0	66.7		100.0	33.3	100.0						
51	27 years.....	75.0	50.0			100.0	60.0	50.0		100.0							
52	28 years.....	70.0	42.9			66.7	33.3	66.7		100.0	66.7	25.0	16.7			50.0	
53	29 years.....	100.0	72.7			100.0	100.0	100.0	75.0		50.0		14.3				100.0
54	30 years.....	100.0	62.5			100.0	50.0	100.0	100.0		66.7						
55	31 years.....	75.0	80.0				100.0	100.0	66.7	100.0							
56	32 to 34 years.....	48.3	61.1			60.0	66.7	40.0	100.0	60.0	50.0	3.4	6.6				
57	35 to 39 years.....	54.1	54.5			66.7	66.7	75.0	75.0	88.9	42.9	6.4	6.6		9.1	33.3	20.0
58	40 to 44 years.....	29.4	61.5			33.3	60.0	66.7	100.0	14.3	50.0		4.6			12.5	
59	45 to 49 years.....	18.2	26.7			33.3	100.0	20.0		16.7	25.0	4.5					
60	50 to 54 years.....	31.8	38.5	20.0		50.0		50.0	100.0	14.3	20.0					10.0	
61	55 to 59 years.....	30.0	8.3			42.9	50.0	50.0		33.3							
62	60 to 64 years.....	11.5	3.6			16.7				25.0	14.3		3.6				
63	65 years and over.....	12.9	13.2		5.3	9.8	23.1	24.1		16.0	22.2		6.3			10.0	
64	Unknown age.....															17.6	3.7

<sup>1</sup> Includes the following counties: Cass (excluding Logansport), Clark (excluding Jeffersonville), Delaware (excluding Muncie), Elkhart (excluding Elkhart), Floyd (excluding New Albany), Grant (excluding Marion), Howard (excluding Kokomo), Huntington (excluding Huntington), Knox (excluding Vincennes), Lake (excluding East Chicago, Gary, and Hammond), Laporte (excluding Laporte and Michigan City), Madison (excluding Anderson and Elwood), Miami (excluding Peru), Tippecanoe (excluding Lafayette), and Wayne (excluding Richmond).

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
682.1	733.8	102.8	35.4	795.3	754.0	846.0	974.4	978.9	1,165.2	93.0	162.8	47.4	44.3	76.5	214.2	110.7	88.6	137.7	299.9
2,533.9	1,355.6	.....	.....	4,074.1	1,528.5	1,914.6	1,185.2	4,074.1	2,674.9	281.5	96.8	.....	395.1	370.4	.....	765.9	.....	.....	.....
1,358.6	1,168.6	297.0	101.5	1,340.5	1,275.7	2,375.9	1,318.9	1,436.2	1,962.6	24.3	24.9	.....	.....	95.7	98.1	.....	.....	.....	.....
233.4	434.8	.....	.....	307.0	545.9	476.1	725.7	153.5	468.0	19.4	59.3	.....	.....	.....	78.0	.....	80.6	76.7	78.0
181.5	338.4	.....	.....	79.6	166.9	329.1	776.6	318.3	417.3	20.2	84.6	.....	.....	106.9	82.3	86.3	.....	83.5	.....
574.4	690.9	.....	143.4	133.3	861.0	413.6	890.2	1,733.3	861.0	67.6	72.7	.....	.....	143.5	137.9	.....	133.3	143.5	.....
853.7	996.9	.....	.....	594.6	437.1	1,229.4	355.8	1,585.5	2,185.6	150.7	55.4	.....	.....	396.4	.....	.....	198.2	218.6	.....
1,569.3	752.6	426.9	.....	825.8	848.6	1,280.6	1,316.1	3,715.9	848.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
739.1	892.6	23.2	27.2	1,076.9	867.6	927.9	1,413.4	919.9	1,656.3	85.3	306.4	46.4	81.5	44.9	394.3	162.4	217.4	89.7	525.8
535.0	430.4	256.8	38.2	590.0	701.5	513.6	343.6	776.3	627.7	173.1	159.0	128.4	38.2	124.2	184.6	96.9	.....	341.6	406.1
900.6	.....	.....	.....	3,554.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
879.4	944.5	40.3	22.3	1,228.4	1,249.7	987.8	1,225.2	1,247.9	1,271.2	54.3	81.9	40.3	22.3	39.0	64.6	121.0	178.2	19.5	64.6
3,274.7	1,824.6	1,027.8	.....	3,976.4	1,800.2	2,055.6	3,722.3	5,964.6	1,800.2	503.8	228.1	1,027.8	.....	994.1	900.1	.....	.....	.....	.....
1,149.3	1,596.3	.....	.....	1,587.5	1,453.8	469.0	2,755.6	2,494.7	2,180.7	57.5	184.2	.....	250.5	226.8	.....	501.0	.....	.....	.....
371.3	199.0	.....	.....	366.3	196.4	568.1	203.0	549.5	392.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
350.1	664.1	.....	.....	789.6	806.4	204.1	1,042.2	394.8	806.4	50.0	.....	.....	.....	.....	204.1	.....	.....	.....	.....
758.9	937.6	.....	.....	332.8	1,681.9	1,720.2	1,043.3	998.3	1,009.1	84.3	85.2	.....	.....	.....	.....	347.8	332.8	.....	.....
1,588.3	559.7	.....	.....	3,134.1	2,208.7	1,620.2	.....	1,567.1	.....	.....	139.9	.....	.....	.....	.....	570.9	.....	.....	.....
516.4	1,080.4	.....	.....	2,038.0	2,131.9	.....	.....	2,131.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,035.0	1,331.8	.....	.....	1,418.3	1,794.8	1,231.8	1,789.3	1,475.1	1,730.7	71.6	65.0	58.7	.....	128.2	234.6	.....	.....	128.2	.....
753.5	544.4	87.8	105.8	1,019.4	613.8	1,054.0	423.1	849.5	1,023.1	21.6	129.6	.....	.....	.....	.....	87.8	423.1	.....	102.3

\* Includes the following counties: Allen (excluding Fort Wayne), Marion (excluding Indianapolis), St. Joseph (excluding Mishawaka and South Bend), Vanderburg (excluding Evansville), and Vigo (excluding Terre Haute).



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS (TOTAL).																					
1	All ages.....	49.3	48.8	5.2	5.1	55.0	52.6	52.3	48.4	58.1	61.1	2.8	5.0	1.6	2.0	2.3	4.3	3.5	6.2	3.2	5.8
2	Under 1 year.....	21.8	24.7	6.2	4.9	25.6	27.2	33.9	27.3	28.2	32.5	2.2	2.0	2.1	1.2	3.1	0.7	0.8	5.1	2.0	1.6
3	1 to 4 years.....	67.8	62.4	9.4	2.7	77.7	62.8	69.9	66.7	73.6	79.6	3.2	5.2	3.1	8.1	.....	4.4	3.6	4.3	5.8	5.8
4	1 year.....	65.5	58.3	6.7	6.9	70.5	56.9	66.7	67.6	78.7	74.4	4.7	6.6	6.7	11.8	.....	6.2	7.1	2.7	6.4	10.3
5	2 years.....	63.2	64.1	8.3	.....	79.3	65.4	66.7	68.2	66.7	87.1	2.1	2.2	.....	.....	.....	3.3	.....	.....	6.1	3.2
6	3 years.....	77.2	66.0	.....	.....	88.2	76.5	83.3	62.5	73.1	80.0	1.8	7.5	.....	20.0	.....	.....	.....	12.6	3.8	6.7
7	4 years.....	74.4	68.0	33.3	.....	84.6	66.7	75.0	66.7	73.3	77.8	2.6	4.0	.....	.....	.....	8.3	.....	5.6	6.7	.....
8	5 to 9 years.....	61.2	64.3	.....	.....	57.9	69.5	74.3	58.6	69.4	69.4	3.7	8.3	.....	.....	5.3	6.8	2.9	6.9	4.1	11.3
9	10 to 14 years.....	63.6	73.4	.....	.....	62.3	77.8	65.2	61.3	80.5	83.0	4.6	4.9	.....	.....	1.9	6.6	4.3	3.2	9.8	6.7
10	15 to 19 years.....	75.5	67.1	5.0	.....	78.6	67.4	77.0	72.7	81.8	80.4	3.7	8.4	.....	3.6	3.2	12.8	4.0	7.8	4.4	6.5
11	15 to 17 years.....	69.5	69.7	6.3	.....	72.2	72.5	68.1	65.7	81.3	83.9	2.5	6.3	.....	.....	3.7	10.0	.....	8.6	3.8	3.6
12	18 years.....	84.1	71.1	.....	.....	96.4	70.0	80.0	84.2	82.1	82.8	5.7	7.9	.....	.....	.....	10.0	10.0	10.5	7.1	6.9
13	19 years.....	79.6	58.8	.....	.....	75.0	57.7	91.3	73.9	82.8	68.2	4.1	12.5	.....	11.1	4.6	19.2	4.3	3.4	.....	13.6
14	20 years.....	84.1	67.5	.....	.....	93.3	65.4	87.1	68.0	87.5	78.3	1.9	11.7	.....	.....	.....	11.5	6.5	12.0	.....	13.0
15	21 to 24 years.....	75.6	72.8	11.8	9.6	77.5	76.7	81.5	67.4	79.4	82.4	5.1	7.3	.....	.....	4.5	5.0	8.6	13.5	3.7	6.3
16	21 years.....	73.1	68.2	.....	11.1	69.2	67.9	75.0	78.9	85.7	78.1	3.8	6.8	.....	.....	7.7	10.7	5.0	5.5	.....	6.3
17	22 years.....	80.5	74.7	66.7	.....	79.3	88.5	95.7	55.6	68.2	78.8	3.9	6.3	.....	.....	3.4	.....	4.4	16.7	4.6	6.1
18	23 years.....	72.1	73.4	.....	16.7	78.8	73.3	77.8	60.7	71.0	96.7	7.0	9.6	.....	.....	.....	6.7	16.7	25.0	9.7	.....
19	24 years.....	77.3	74.8	.....	.....	82.6	77.8	75.0	75.0	92.3	78.7	6.5	6.3	.....	.....	8.7	2.8	10.0	4.2	.....	10.6
20	25 to 29 years.....	81.4	71.6	26.1	16.0	84.0	80.2	78.2	69.8	87.4	79.9	3.9	8.3	4.3	.....	2.7	4.4	5.4	12.6	3.9	9.4
21	25 years.....	80.3	75.0	.....	.....	75.0	75.0	89.2	69.0	85.7	82.2	3.9	12.0	.....	.....	6.3	2.7	20.7	9.6	.....	11.1
22	26 years.....	82.4	72.4	25.0	10.0	85.7	81.1	78.6	71.9	94.6	79.2	3.7	7.1	12.6	.....	2.9	.....	7.1	9.4	.....	12.5
23	27 years.....	78.0	74.1	33.3	30.0	78.6	80.6	76.9	66.7	85.0	80.4	3.0	6.8	.....	.....	3.6	6.6	3.8	3.3	2.5	9.8
24	28 years.....	83.2	74.8	33.3	33.3	89.2	79.1	70.8	65.8	89.2	80.9	4.0	10.7	.....	.....	2.7	9.3	4.2	14.4	6.4	6.4
25	29 years.....	82.8	76.6	60.0	20.0	90.7	84.6	71.9	76.7	84.3	75.8	4.7	4.7	.....	.....	4.7	.....	9.4	10.0	2.0	6.1
26	30 to 34 years.....	80.9	71.4	3.8	3.8	84.4	74.0	79.5	66.7	87.7	81.6	2.9	6.9	.....	.....	2.2	6.8	4.3	8.8	2.8	6.8
27	30 years.....	86.4	76.6	.....	.....	91.5	78.1	77.4	78.6	90.0	87.5	5.0	6.5	.....	.....	4.3	6.3	6.5	7.1	5.0	7.6
28	31 years.....	84.3	66.0	20.0	.....	91.9	70.0	84.6	60.9	81.3	76.3	1.0	7.2	.....	.....	6.7	.....	4.3	5.1	10.6	.....
29	32 to 34 years.....	78.0	71.3	.....	7.7	79.3	73.8	78.8	63.5	88.2	81.3	2.6	7.0	.....	.....	2.2	7.1	4.8	11.1	1.7	5.4
30	35 to 44 years.....	68.6	57.6	6.6	14.5	75.1	65.2	71.8	53.8	72.1	66.2	2.8	6.0	2.2	3.6	3.1	5.7	1.7	5.4	3.7	7.2
31	35 to 39 years.....	73.0	63.7	8.0	21.9	79.9	73.2	74.3	54.9	76.6	72.7	3.1	5.4	4.0	3.1	2.8	4.9	0.9	5.6	5.1	6.1
32	40 to 44 years.....	61.2	48.6	4.8	4.3	67.5	54.2	67.2	52.5	64.6	54.7	2.4	6.9	.....	4.3	3.6	6.8	3.1	5.1	1.2	9.3
33	45 to 54 years.....	33.2	34.9	3.7	1.9	30.6	38.1	32.4	40.4	50.0	44.8	1.8	3.6	1.9	5.6	0.9	1.2	2.9	3.4	1.7	4.8
34	45 to 49 years.....	41.3	37.6	.....	.....	32.6	46.3	40.4	43.1	61.3	43.6	2.2	2.3	.....	3.8	2.2	.....	1.9	2.0	3.2	3.6
35	50 to 54 years.....	26.0	32.1	5.7	3.6	29.0	30.2	24.5	36.8	37.0	46.0	1.6	5.0	2.9	7.1	.....	2.3	3.8	5.3	.....	6.0
36	55 to 64 years.....	16.2	21.9	2.3	4.3	20.2	21.4	16.2	22.8	22.0	32.2	2.3	2.9	1.2	1.4	1.8	1.2	2.7	2.5	3.0	5.2
37	55 to 59 years.....	19.8	25.9	2.3	4.3	21.7	19.0	19.0	28.2	29.6	38.9	3.6	3.8	2.8	.....	1.7	2.4	4.8	.....	5.6	9.3
38	60 to 64 years.....	13.5	18.5	2.0	4.3	18.5	23.8	14.5	17.5	16.7	26.2	1.2	2.1	.....	2.2	1.9	.....	1.4	5.0	1.3	1.6
39	65 years and over.....	9.8	14.9	4.0	3.6	7.1	12.2	11.0	14.9	15.4	24.6	1.8	1.2	1.5	0.5	1.0	1.2	2.8	1.3	2.0	1.6
40	Unknown age.....	37.5	83.3	.....	.....	26.0	.....	50.0	50.0	50.0	100.0	6.3	.....	.....	.....	25.0	.....	.....	.....	.....	.....
KANSAS CITIES.																					
41	All ages.....	52.7	51.9	7.6	5.6	57.5	61.2	53.4	50.8	63.4	59.4	2.4	3.2	1.8	0.6	2.8	3.3	2.3	3.7	2.3	3.8
42	Under 1 year.....	29.0	32.8	10.7	9.1	31.7	41.7	30.4	26.9	35.5	36.7	2.3	0.8	3.6	.....	4.1	.....	.....	3.9	.....	.....
43	1 year.....	64.9	73.3	26.0	.....	61.1	72.7	100.0	77.8	66.7	90.9	2.7	.....	.....	.....	.....	.....	.....	11.1	.....	.....
44	2 years.....	64.1	77.8	.....	.....	64.3	81.8	66.7	87.5	76.9	83.3	2.6	3.7	.....	.....	.....	9.1	.....	7.7	.....	.....
45	3 years.....	85.7	64.3	.....	.....	100.0	75.0	50.0	.....	81.8	75.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	4 years.....	87.5	76.9	.....	.....	75.0	80.0	100.0	100.0	100.0	50.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
47	5 to 9 years.....	65.9	76.2	.....	.....	57.1	78.6	90.0	50.0	70.6	87.5	9.1	2.4	.....	.....	14.8	.....	.....	11.8	12.6	.....
48	10 to 14 years.....	59.5	81.8	.....	.....	54.5	93.8	72.7	62.5	88.9	100.0	2.7	3.0	.....	.....	6.3	.....	.....	11.1	.....	.....
49	15 to 17 years.....	63.9	63.4	.....	.....	62.5	72.7	37.5	58.3	90.9	78.6	.....	7.3	.....	.....	18.2	.....	8.3	.....	.....	.....
50	18 years.....	81.5	70.8	.....	.....	100.0	70.0	85.7	100.0	75.0	85.7	3.7	8.3	.....	.....	20.0	.....	.....	8.3	.....	.....
51	19 years.....	73.1	55.6	.....	.....	76.9	40.0	80.0	100.0	71.4	50.0	15.4	6.6	.....	.....	16.4	40.0	20.0	14.3	.....	.....
52	20 years.....	80.0	77.8	.....	.....	88.9	83.3	80.0	77.8	88.9	100.0	4.0	.....	.....	.....	.....	20.0	.....	.....	.....	.....
53	21 years.....	63.6	60.9	.....	.....	50.0	70.0	66.7	66.7	87.5	75.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54	22 years.....	85.7	81.6	100.0	.....	81.8	92.3	100.0	66.7	80.0	88.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55	23 years.....	72.7	65.5	.....	.....	75.0	81.8	75.0	58.3	70.0	75.0	4.6	17.2	.....	.....	9.1	25.0	33.3	.....	.....	.....
56	24 years.....	73.3	71.4	.....	.....	75.0	78.6	60.0	60.0	100.0	68.8	6.7	8.6	.....	.....	7.1	20.0	.....	.....	12.6	.....
57	25 years.....	80.0	75.0	.....	.....	73.7	80.0	100.0	80.0	90.0	75.0	.....	9.4	.....	.....	.....	.....	20.0	.....	12.6	.....
58	26 years.....	73.1	73.9	33.3	.....	75.0	86.7	71.4	69.2	109.0	80.0	.....	6.6	.....	.....	.....	.....	7.7	.....	12.5	



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[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
885.5	831.4	46.0	42.4	1,188.5	1,043.4	974.1	827.2	1,319.5	1,396.5	50.6	85.4	13.7	16.4	50.5	84.6	64.6	106.6	73.3	133.6	
1,875.1	1,574.1	337.5	227.4	2,448.6	2,254.0	2,419.1	1,534.7	2,285.3	2,254.0	165.5	125.4	112.5	56.8	326.5	55.0	56.3	284.2	163.2	110.0	
801.6	775.0	42.7	14.6	1,100.3	1,005.4	824.8	907.7	1,224.1	1,161.1	38.3	64.6	14.2	48.9	70.8	42.7	58.6	96.3	85.0	3	
1,419.2	1,336.4	59.7	62.0	1,790.0	1,977.9	1,671.6	1,549.2	2,136.4	1,738.1	102.4	151.9	59.7	128.9	179.8	179.1	62.0	173.2	239.7	4	
831.6	835.2	56.5	.....	1,258.0	949.7	791.7	866.4	1,203.3	1,508.3	27.7	28.3	.....	.....	55.9	.....	.....	109.4	56.9	5	
592.4	482.9	.....	.....	797.0	707.9	549.4	503.0	1,009.6	653.4	13.5	55.2	.....	56.8	.....	.....	112.6	63.1	54.5	6	
401.9	487.5	56.5	.....	601.7	452.7	339.3	702.1	601.7	792.3	13.9	28.7	.....	.....	56.6	.....	58.5	54.7	.....	7	
246.4	309.2	.....	.....	260.9	495.4	318.8	212.4	403.3	519.6	15.0	39.8	.....	.....	23.7	48.3	12.3	25.0	23.7	8	
304.1	340.7	.....	.....	412.5	537.8	387.7	251.5	412.5	563.4	22.2	22.7	.....	.....	12.5	38.4	25.8	13.2	50.0	9	
893.7	647.9	12.6	.....	1,208.2	741.6	971.6	740.3	1,366.9	1,099.6	43.3	81.0	.....	13.2	48.8	140.6	50.5	79.3	73.2	10	
715.3	542.0	21.3	.....	803.6	626.5	681.7	513.8	1,339.3	1,015.4	26.1	49.3	.....	.....	41.2	83.4	.....	67.0	61.8	11	
1,117.8	826.6	.....	.....	1,609.6	845.7	1,479.2	999.3	1,371.1	1,449.9	75.5	91.8	.....	.....	120.8	184.9	124.9	119.2	120.8	12	
1,188.3	774.7	.....	.....	1,984.1	975.7	1,305.4	1,143.3	1,443.0	975.7	60.9	164.8	.....	67.3	180.2	325.2	62.2	67.3	60.1	13	
1,330.3	823.4	.....	.....	1,633.3	1,062.4	1,628.4	1,098.4	2,041.6	1,124.9	29.6	142.5	.....	.....	187.5	120.6	198.8	.....	187.5	14	
929.5	1,161.7	31.7	55.0	1,319.9	1,556.4	1,047.3	1,049.5	1,304.6	1,979.4	62.2	115.7	.....	.....	76.7	101.5	209.9	61.4	152.3	15	
842.1	1,013.5	.....	68.9	1,049.5	1,266.6	904.2	1,033.8	1,399.3	1,666.6	44.3	101.4	.....	.....	116.6	200.0	60.3	68.9	.....	16	
958.0	1,000.9	126.1	.....	1,402.6	1,539.9	1,387.1	692.2	914.7	1,740.7	46.4	84.8	.....	.....	61.0	.....	63.0	207.7	101.0	17	
983.8	1,181.3	.....	69.9	1,628.2	1,486.4	906.4	1,187.5	1,377.7	1,959.3	95.2	154.1	.....	.....	135.1	194.2	489.0	187.9	.....	18	
939.8	1,463.4	.....	.....	1,215.0	1,948.2	991.8	1,294.9	1,534.8	2,574.4	64.8	123.4	.....	.....	127.9	69.6	132.2	71.9	347.9	19	
1,627.6	1,738.1	86.8	64.5	2,197.1	2,276.0	1,663.9	1,789.1	2,532.9	2,790.5	78.0	193.6	14.5	.....	70.0	124.7	115.7	322.4	112.0	20	
1,673.2	1,463.6	.....	.....	2,136.4	1,711.5	2,208.8	1,474.6	2,330.6	2,638.5	82.0	234.9	.....	.....	142.6	66.9	442.4	269.0	356.6	21	
1,525.2	1,736.5	139.8	77.0	2,028.9	2,234.7	1,538.3	1,771.4	2,367.0	2,830.6	68.5	169.9	69.9	.....	67.6	139.8	231.0	.....	446.9	22	
1,438.6	1,848.0	150.5	86.7	1,601.3	2,095.8	1,505.1	1,733.4	2,474.7	3,437.1	55.3	169.9	.....	.....	72.8	167.7	75.3	86.7	72.8	23	
1,443.5	1,853.0	70.1	77.2	2,238.1	2,537.2	1,192.0	1,928.8	2,238.1	2,835.6	68.7	264.7	.....	.....	67.8	298.6	70.1	540.1	155.6	24	
2,108.0	1,827.5	81.1	90.9	3,060.9	2,902.5	1,866.3	2,091.5	3,374.8	2,198.9	119.3	111.4	.....	.....	137.0	243.4	272.8	78.6	175.9	25	
2,118.7	1,574.8	17.2	18.9	3,152.1	1,974.2	2,195.5	1,436.3	3,069.1	2,833.3	75.7	152.8	.....	.....	82.9	182.8	120.1	189.0	99.5	26	
2,067.3	1,598.4	.....	.....	2,899.3	1,923.2	1,673.0	1,749.8	3,640.9	2,692.5	119.6	136.4	.....	.....	134.8	153.9	139.4	139.1	202.3	27	
2,100.3	1,693.6	39.6	.....	3,566.1	2,193.1	2,192.3	1,511.6	2,505.9	3,028.6	24.4	185.2	.....	.....	208.9	.....	108.0	96.4	417.7	28	
2,145.8	1,529.9	32.2	.....	3,136.5	1,929.5	2,417.4	1,287.1	2,993.9	2,832.0	72.3	149.8	.....	.....	85.5	186.7	147.4	223.2	67.0	29	
1,159.5	876.4	30.9	93.2	1,704.7	1,036.4	1,309.0	815.3	1,575.1	1,543.4	48.0	91.3	10.3	28.3	69.8	90.1	30.9	81.5	79.8	30	
1,409.4	1,054.6	37.6	149.1	2,090.4	1,236.2	1,578.7	830.8	1,908.6	1,977.9	59.9	88.8	13.8	21.3	72.7	32.4	18.8	85.2	127.2	31	
855.9	661.4	22.8	25.7	1,236.3	795.4	981.5	796.7	1,170.0	1,019.2	33.6	94.5	.....	25.7	66.2	99.4	45.6	77.1	22.1	32	
407.9	452.3	26.2	15.9	418.3	492.4	445.6	572.7	735.2	723.2	22.5	46.8	13.1	47.7	12.7	15.4	39.3	47.7	25.4	33	
460.8	479.1	.....	.....	368.7	552.6	533.6	661.6	933.9	698.1	24.9	29.5	.....	30.1	24.6	.....	25.4	30.1	49.2	34	
351.5	422.2	54.1	33.8	471.2	424.7	351.8	472.9	523.5	751.5	19.9	66.2	27.1	67.6	.....	32.7	54.1	67.6	.....	35	
346.9	443.9	39.3	71.5	437.3	414.9	353.9	429.0	551.4	852.9	48.2	58.4	19.7	23.8	38.0	23.1	59.0	47.7	76.1	36	
336.8	438.2	36.2	43.6	454.7	337.4	289.3	479.7	559.6	885.7	62.0	64.1	36.2	.....	35.0	42.2	72.3	.....	104.9	37	
359.0	450.8	43.1	105.1	416.7	598.4	430.8	367.9	541.7	813.4	31.7	51.5	.....	52.6	41.7	.....	43.1	106.1	41.7	38	
650.9	970.4	245.5	199.4	453.3	854.1	714.2	997.0	1,187.3	1,818.5	120.3	76.8	89.3	28.5	64.8	32.7	178.6	85.5	151.1	39	
573.7	1,413.0	.....	.....	377.4	.....	1,170.5	1,153.1	754.7	4,461.2	35.6	.....	.....	.....	377.4	.....	.....	.....	.....	40	
1,233.0	1,167.2	81.5	58.2	1,965.8	1,852.6	1,166.8	1,074.1	1,692.8	1,658.5	56.9	73.0	18.8	6.5	97.1	100.1	50.2	77.6	60.7	41	
3,267.8	3,469.9	1,052.6	690.6	5,769.3	7,013.9	2,456.1	2,417.2	3,733.1	3,673.9	258.0	84.6	350.9	.....	678.7	.....	345.8	.....	.....	42	
1,562.1	1,583.2	86.1	.....	2,582.6	2,995.6	1,292.0	1,504.3	2,249.4	1,797.3	42.2	21.7	.....	.....	.....	86.6	.....	166.6	.....	43	
523.5	570.8	.....	.....	569.9	1,548.7	662.9	218.4	854.9	492.8	72.2	17.8	.....	.....	142.5	.....	.....	142.5	70.4	44	
411.5	485.2	.....	.....	442.9	1,063.9	610.5	366.7	590.5	496.5	18.7	18.0	.....	.....	70.9	.....	.....	73.8	.....	45	
1,050.3	819.8	.....	.....	1,748.7	1,037.7	870.5	1,072.9	1,554.4	1,159.8	82.1	108.3	.....	.....	129.5	366.3	67.0	63.1	129.5	46	
1,410.7	955.5	.....	.....	2,226.9	1,346.7	1,151.2	1,949.3	2,226.9	538.7	70.5	.....	.....	.....	.....	287.8	.....	.....	.....	47	
1,055.7	1,440.5	73.0	.....	1,482.9	2,771.5	1,022.1	1,175.5	1,624.1	1,776.6	35.8	144.1	.....	.....	142.1	146.0	293.9	.....	142.1	48	
1,883.7	2,395.0	63.5	.....	3,133.4	3,560.7	1,715.1	2,074.9	2,580.4	3,884.3	62.3	164.0	.....	.....	245.8	64.7	200.8	.....	388.4	49	
2,579.5	1,883.5	.....	.....	5,424.4	2,654.8	2,151.1	2,039.0	2,675.1	2,806.5	56.5	131.5	.....	.....	148.6	303.4	.....	78.4	74.3	50	
1,606.7	981.0	.....	49.4	2,428.4	1,338.3	1,952.8	691.8	2,023.7	1,816.3	91.2	60.6	46.5	49.4	134.9	47.8	93.0	49.4	89.9	51	
586.6	554.7	116.8	.....	621.1	837.0	525.4	732.2	1,072.9	643.8	14.3	16.3	.....	.....	.....	.....	58.4	.....	64.4	52	
544.0	480.9	100.9	109.0	878.3	527.2	403.6	545.0	780.7	738.0	49.5	26.7	100.9	.....	97.6	.....	.....	.....	105.4	53	
1,036.3	1,253.9	512.6	673.2	991.5	781.4	768.8	942.5	1,859.0	2,604.6	31.4	99.0	.....	.....	.....	.....	128.1	134.6	.....	54	
231.8	663.0	.....	.....	.....	.....	.....	.....	914.7	2,616.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	55	



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
KANSAS RURAL DISTRICTS.																					
1	All ages.....	48.2	47.5	4.5	4.9	53.9	48.5	51.9	47.5	56.4	61.7	2.9	5.7	1.5	2.5	2.1	4.7	3.8	7.1	3.5	6.5
2	Under 1 year.....	23.4	21.6	4.3	3.3	22.0	19.2	34.6	27.4	26.3	31.3	2.2	2.4	1.4	1.7	3.1	1.0	1.0	5.5	2.5	2.1
3	1 year.....	65.8	51.9	.....	7.1	76.9	47.2	61.1	64.3	81.6	67.9	5.4	9.4	9.1	14.3	.....	8.3	8.3	3.6	5.3	14.3
4	2 years.....	62.5	58.5	11.1	.....	93.3	53.3	66.7	57.1	60.0	83.0	1.8	1.6	.....	.....	.....	.....	.....	.....	6.0	4.0
5	3 years.....	72.2	66.7	.....	.....	77.8	77.8	90.0	71.4	66.7	81.8	2.8	10.3	.....	20.0	.....	.....	.....	14.3	6.7	9.1
6	4 years.....	71.0	64.9	33.3	.....	83.9	57.1	66.7	60.0	69.2	84.6	3.2	5.4	.....	.....	14.3	.....	.....	6.7	7.7	.....
7	5 to 9 years.....	58.9	60.0	.....	.....	58.3	61.3	63.0	60.9	63.8	66.7	1.1	10.4	.....	.....	.....	12.9	4.0	8.7	.....	11.1
8	10 to 14 years.....	64.9	70.9	.....	.....	64.3	71.1	62.9	60.9	73.1	80.4	5.3	5.5	.....	.....	2.4	5.3	5.7	4.3	9.4	6.6
9	15 to 17 years.....	70.8	72.3	6.7	.....	76.3	72.4	74.4	69.6	79.7	85.7	3.1	5.9	.....	.....	5.3	6.9	.....	8.7	4.3	4.8
10	18 years.....	85.2	71.2	.....	.....	95.2	70.0	78.3	80.0	87.5	81.8	6.6	7.7	.....	.....	.....	.....	13.0	13.3	6.3	9.1
11	19 years.....	81.9	59.7	.....	.....	74.2	61.9	94.4	64.7	86.4	72.2	.....	12.9	.....	16.7	.....	14.3	.....	5.9	6.7	16.7
12	20 years.....	85.4	64.4	.....	.....	96.2	60.0	88.5	62.5	87.1	76.2	1.2	15.3	.....	.....	.....	15.0	3.8	18.8	.....	14.3
13	21 years.....	76.8	70.8	.....	16.7	75.0	66.7	78.6	84.6	85.0	78.6	5.4	9.2	.....	.....	10.0	16.7	7.1	7.7	.....	7.1
14	22 years.....	78.6	69.8	50.0	.....	77.8	84.6	94.7	53.3	64.7	75.0	5.4	9.4	.....	.....	.....	.....	5.3	20.0	6.9	8.3
15	23 years.....	71.9	76.9	.....	25.0	80.0	68.4	78.6	62.5	71.4	100.0	7.8	6.9	.....	.....	.....	5.3	14.3	18.8	14.3	.....
16	24 years.....	78.3	76.3	.....	.....	84.2	77.3	80.0	78.9	90.5	83.9	5.0	5.3	.....	.....	10.5	.....	6.7	6.3	.....	9.7
17	25 years.....	80.5	75.0	.....	.....	76.0	72.7	85.7	66.7	84.4	86.2	5.7	13.2	.....	.....	.....	9.1	3.6	20.8	12.5	10.3
18	26 years.....	85.4	71.6	20.0	14.3	91.3	77.3	81.0	73.7	93.9	78.8	4.9	7.4	20.0	.....	4.3	.....	9.5	10.5	.....	12.1
19	27 years.....	81.4	71.8	40.0	33.3	86.7	77.3	80.0	58.3	86.7	80.6	2.9	7.1	.....	.....	.....	4.6	6.0	4.2	3.3	11.1
20	28 years.....	84.0	73.9	50.0	33.3	95.7	79.3	66.7	69.0	89.7	77.8	4.0	13.6	.....	.....	13.8	.....	4.8	20.7	6.9	7.4
21	29 years.....	83.0	70.7	100.0	20.0	93.9	75.0	70.8	76.2	80.6	72.0	4.3	6.7	.....	.....	.....	12.5	14.3	2.8	8.0	.....
22	30 years.....	84.8	75.7	.....	.....	88.0	72.7	78.3	73.7	89.8	89.7	6.1	9.5	.....	.....	4.0	9.1	8.7	10.5	6.1	10.3
23	31 years.....	82.4	64.0	20.0	.....	96.2	65.2	80.0	58.8	82.6	79.3	1.4	6.7	.....	.....	.....	4.3	.....	5.9	4.3	10.3
24	32 to 34 years.....	79.9	69.0	.....	9.1	77.8	73.7	80.5	59.1	91.5	78.4	2.9	7.0	.....	.....	2.2	5.3	6.1	13.6	1.1	5.7
25	35 to 39 years.....	72.6	65.4	10.0	25.0	82.3	73.7	72.5	61.8	75.7	72.6	2.7	5.6	.....	.....	.....	2.1	7.0	1.3	5.6	4.9
26	40 to 44 years.....	59.1	48.7	7.1	7.1	69.1	53.7	61.4	50.0	60.3	54.5	1.8	9.1	.....	7.1	3.6	7.3	.....	6.8	1.7	12.7
27	45 to 49 years.....	41.0	37.0	.....	.....	33.3	37.9	40.0	42.9	60.0	46.2	3.4	5.4	.....	6.3	3.3	.....	2.9	2.9	5.0	5.1
28	50 to 54 years.....	28.1	35.8	.....	5.0	30.0	32.0	30.6	41.7	38.5	51.4	1.6	6.6	5.0	10.0	.....	4.0	2.8	8.3	.....	5.4
29	55 to 59 years.....	19.6	26.5	3.8	.....	17.5	20.7	20.6	26.7	30.2	38.1	4.2	5.3	.....	.....	.....	.....	5.9	.....	.....	.....
30	60 to 64 years.....	11.7	20.4	.....	5.0	18.4	29.2	14.9	16.7	13.6	32.6	1.1	2.2	.....	2.6	.....	.....	2.1	6.7	1.7	.....
31	65 years and over.....	8.8	14.1	3.1	1.4	5.7	12.6	11.1	15.2	13.6	24.5	2.1	1.1	1.8	0.7	1.3	1.6	3.0	1.1	2.4	1.1
32	Unknown age.....	38.5	100.0	.....	.....	33.3	.....	50.0	100.0	33.3	100.0	7.7	.....	.....	.....	33.3	.....	.....	.....	.....	.....
KANSAS CITY, KANS.																					
33	Total, all ages.....	57.4	58.1	11.8	10.5	65.7	70.6	59.4	50.6	59.9	56.8	3.0	3.1	2.0	2.6	4.2	2.0	1.0	3.8	2.9	4.8
34	Under 1 year.....	41.2	42.9	25.0	33.3	45.5	52.2	33.3	40.0	55.6	25.0	2.9	2.4	.....	.....	9.1	.....	.....	20.0	.....	.....
35	1 year.....	76.5	77.8	.....	.....	83.3	73.3	100.0	75.0	60.0	87.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	2 years.....	70.8	72.7	.....	.....	62.5	83.3	71.4	66.7	87.5	100.0	.....	9.1	.....	.....	16.7	.....	.....	.....	.....	.....
37	3 years.....	84.6	60.0	.....	.....	100.0	50.0	.....	.....	75.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	4 years.....	100.0	100.0	.....	.....	100.0	100.0	100.0	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	5 to 9 years.....	61.1	91.3	.....	.....	62.5	89.5	100.0	100.0	57.1	100.0	22.2	.....	.....	.....	25.0	.....	.....	.....	28.6	.....
40	10 to 14 years.....	70.0	85.7	.....	.....	100.0	100.0	75.0	75.0	75.0	100.0	10.0	.....	.....	.....	.....	.....	.....	.....	25.0	.....
41	15 to 17 years.....	46.2	78.6	.....	.....	50.0	100.0	25.0	66.7	100.0	83.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	18 years.....	60.0	63.6	.....	.....	100.0	80.0	100.0	100.0	50.0	66.7	20.0	.....	.....	.....	.....	.....	.....	.....	50.0	.....
43	19 years.....	75.0	.....	.....	.....	75.0	.....	100.0	.....	66.7	.....	16.7	.....	.....	.....	25.0	.....	.....	.....	.....	.....
44	20 years.....	85.7	50.0	.....	.....	100.0	50.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	21 years.....	42.9	66.7	.....	.....	100.0	100.0	50.0	50.0	50.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	22 years.....	100.0	80.0	100.0	.....	100.0	87.5	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
47	23 years.....	50.0	50.0	.....	.....	66.7	100.0	.....	.....	.....	.....	.....	50.0	.....	.....	.....	.....	.....	100.0	.....	.....
48	24 years.....	75.0	85.7	.....	.....	66.7	87.5	.....	.....	100.0	83.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
49	25 years.....	85.7	76.9	.....	.....	100.0	80.0	100.0	.....	75.0	100.0	.....	7.7	.....	.....	.....	.....	.....	100.0	.....	.....
50	26 years.....	66.7	66.7	.....	.....	60.0	100.0	100.0	80.0	100.0	.....	.....	8.3	.....	.....	.....	.....	.....	.....	.....	.....
51	27 years.....	83.3	80.0	.....	.....	71.4	83.3	100.0	.....	100.0	75.0	.....	10.0	.....	.....	.....	20.0	.....	.....	.....	50.0
52	28 years.....	55.6	66.7	.....	.....	60.0	80.0	.....	50.0	66.7	60.0	11.1	8.3	.....	.....	20.0	.....	.....	.....	.....	.....
53	29 years.....	60.0	80.0	.....	.....	75.0	100.0	50.0	50.0	66.7	50.0	10.0	.....	.....	.....	25.0	.....	.....	.....	.....	.....
54	30 years.....	90.9	83.3	.....	.....	100.0	80.0	66.7	100.0	100.0	66.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55	31 years.....	83.9	55.6	.....	.....	100.0	80.0	100.0	50.0	66.7	.....	22.2	.....	.....	.....	.....	20.0	.....	.....	.....	.....
56	32 to 34 years.....	82.8	77.8	.....	.....	83.3	77.8	100.0	100.0	100.0	83.3	.....	11.1	.....	.....	.....	11.1	.....	.....	.....	50.0
57	35 to 39 years.....	69.6	57.6	.....	.....	81.0	90.0	72.7	25.0	63.6	64.3	2.2	6.1	33.3	20.0	.....	.....	.....	.....	16.7	7.1
58	40 to 44 years.....	76.0	50.0	.....	.....	84.6	75.0	83.3	40.0	60.0	60.0	4.0	.....	.....	.....	.....	.....	16.7	.....	.....	.....
59	45 to 49 years.....	33.3	46.7	.....	.....	25.0	71.4	30.0	33.3	57.1	20.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	50 to 54 years.....	23.1	35.3	14.3	.....	33.3	25.0	.....	100.0	33.3	50.0	3.8	.....	.....							

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
799.7	741.4	37.2	38.1	996.5	826.6	926.5	761.1	1,227.3	1,326.3	49.0	88.8	12.4	19.1	39.0	80.5	68.2	114.4	76.4	140.8	1
1,609.2	1,200.6	201.0	136.1	1,814.5	1,316.2	2,412.0	1,360.8	2,008.9	1,974.2	147.8	133.4	67.0	68.0	259.2	65.8	67.0	272.2	194.4	131.6	2
651.2	614.8	54.1	17.5	807.2	610.8	732.4	789.4	1,021.4	1,035.0	37.6	73.1	17.0	52.6	.....	67.9	51.1	70.2	82.4	101.8	3
191.1	255.0	.....	.....	199.2	277.1	250.1	211.1	313.1	525.1	3.6	44.4	.....	.....	.....	58.3	14.7	30.2	.....	87.5	4
282.2	308.8	.....	.....	406.3	421.9	342.3	226.2	376.2	578.2	22.9	23.8	.....	.....	15.0	31.3	31.1	16.2	45.1	46.9	5
857.3	602.4	15.5	.....	1,082.7	663.1	995.0	652.1	1,323.3	1,083.6	34.3	73.8	.....	16.7	30.1	80.9	46.6	83.6	60.2	113.2	6
1,308.9	783.5	.....	.....	1,475.9	976.5	1,754.8	841.3	1,992.5	1,302.0	18.7	185.6	.....	.....	.....	244.1	76.3	252.4	.....	244.1	7
894.4	1,074.0	20.3	45.9	1,274.7	1,176.8	1,054.3	1,010.1	1,215.8	2,042.7	69.6	106.9	.....	.....	98.1	88.8	101.4	183.6	78.4	155.4	8
1,552.1	1,529.7	93.7	84.9	1,920.9	1,868.6	1,648.8	1,698.4	2,518.9	2,443.5	82.7	202.9	18.7	.....	18.1	143.7	149.9	360.9	145.0	308.0	9
1,986.2	1,476.8	22.1	24.9	2,498.9	1,758.1	2,208.2	1,245.0	3,182.4	2,841.8	81.2	158.7	.....	.....	64.1	144.5	154.6	224.1	106.8	264.9	10
1,032.1	844.1	39.7	106.7	1,498.6	943.4	1,125.6	853.4	1,447.3	1,459.2	35.7	100.8	.....	15.2	51.2	103.2	13.2	91.4	76.8	191.6	11
356.2	420.1	.....	20.9	359.6	384.2	422.5	522.6	637.4	748.2	24.8	56.4	16.9	62.7	16.3	20.2	33.8	62.7	32.7	80.9	12
299.2	433.6	24.4	61.0	330.6	383.5	341.8	393.5	495.9	885.1	47.9	67.3	.....	30.5	23.6	29.5	73.2	61.0	94.5	147.5	13
569.6	894.4	189.2	72.3	339.8	873.7	702.7	1,011.7	1,045.6	1,607.5	139.1	70.8	108.1	36.1	78.4	104.8	189.2	72.3	183.0	69.9	14
813.8	1,070.3	.....	.....	642.4	.....	1,992.4	2,009.9	642.4	5,832.0	162.8	.....	.....	.....	642.4	.....	.....	.....	.....	.....	15
1,577.9	1,539.7	134.6	97.0	3,080.9	3,378.3	1,278.6	970.2	1,779.1	1,665.7	82.5	83.2	22.4	24.3	195.3	93.8	22.4	72.8	86.8	140.8	16
3,897.6	5,190.0	2,271.9	2,352.9	5,493.5	13,654.8	2,271.9	2,352.9	5,493.5	2,275.8	278.4	288.3	.....	.....	1,098.7	.....	1,176.5	.....	.....	.....	17
4,028.0	6,241.6	.....	.....	12,228.0	12,902.6	2,528.5	3,638.2	1,222.8	8,210.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
4,724.0	2,256.6	.....	.....	5,483.3	5,566.0	5,669.1	2,301.9	7,676.6	1,113.2	.....	282.1	.....	.....	1,113.2	.....	.....	.....	.....	.....	19
3,053.9	837.5	.....	.....	5,478.2	2,203.6	.....	.....	6,573.8	110.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
1,168.0	1,337.2	.....	.....	2,304.7	3,166.4	2,382.8	1,091.2	.....	1,055.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
689.2	1,235.3	.....	.....	1,236.4	4,106.4	511.3	249.7	989.1	724.7	250.6	.....	.....	.....	494.6	.....	.....	494.6	.....	.....	22
471.7	767.8	.....	.....	265.9	2,020.1	824.9	783.2	797.8	252.5	67.4	.....	.....	.....	.....	.....	.....	265.9	.....	.....	23
624.0	1,114.9	.....	.....	1,231.3	800.0	424.3	1,634.2	820.9	2,000.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24
897.9	1,858.8	.....	.....	1,181.2	4,191.8	1,221.2	1,083.5	1,181.2	2,095.9	299.3	.....	.....	.....	.....	.....	.....	1,181.2	.....	.....	25
2,375.1	.....	.....	.....	6,248.9	.....	1,076.8	.....	2,083.0	.....	527.8	.....	.....	.....	2,083.0	.....	.....	.....	.....	.....	26
1,520.3	277.6	.....	.....	5,000.0	1,095.6	1,033.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27
741.3	1,110.5	.....	.....	975.2	3,286.9	1,008.3	1,132.8	975.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
1,242.7	2,275.9	1,014.1	.....	2,942.6	7,859.2	.....	.....	980.9	1,122.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
499.2	260.5	.....	.....	1,969.9	1,027.9	.....	.....	.....	.....	.....	260.5	.....	.....	.....	.....	1,062.7	.....	.....	.....	30
747.5	3,212.2	.....	.....	1,966.7	7,394.8	.....	.....	983.3	5,282.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
2,982.5	2,807.5	.....	.....	5,885.3	4,431.9	3,042.4	.....	2,942.6	6,647.9	.....	280.8	.....	.....	.....	.....	1,145.5	.....	.....	.....	32
1,445.6	2,313.3	.....	.....	2,852.5	4,664.8	1,966.2	4,719.5	950.8	.....	.....	289.2	.....	.....	.....	.....	.....	.....	.....	.....	33
2,928.5	2,566.5	.....	.....	5,778.6	6,330.5	3,584.7	.....	2,311.5	5,798.3	.....	320.8	.....	.....	1,266.1	.....	.....	.....	.....	.....	34
1,133.4	2,443.3	.....	.....	2,683.9	4,821.2	1,246.2	.....	1,789.2	5,615.9	226.7	305.4	.....	.....	894.6	.....	.....	.....	.....	.....	35
1,847.6	2,807.5	.....	.....	3,645.7	8,309.9	1,256.4	1,431.9	2,430.5	1,585.0	307.9	.....	.....	.....	1,215.2	.....	.....	.....	.....	.....	36
2,373.0	2,760.8	.....	.....	4,682.5	4,558.3	1,936.5	4,506.0	2,809.5	2,179.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37
3,364.3	2,296.5	.....	.....	8,298.2	7,250.4	1,715.9	1,874.0	3,519.3	.....	.....	918.6	.....	.....	1,812.6	.....	.....	.....	.....	.....	38
2,673.6	1,689.3	.....	.....	6,594.6	3,333.3	1,818.2	984.7	2,198.2	2,381.0	.....	241.3	.....	.....	476.2	.....	.....	.....	.....	.....	39
2,204.6	1,445.5	.....	.....	4,622.1	2,702.3	2,248.8	510.4	1,903.2	2,702.3	68.9	152.2	281.1	310.4	.....	.....	.....	.....	.....	.....	40
1,587.3	755.5	.....	.....	3,626.7	1,118.1	1,704.4	770.7	989.1	1,118.1	83.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	41
841.7	849.4	.....	.....	738.2	2,394.5	1,144.8	495.1	1,476.4	478.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42
699.1	902.4	475.4	.....	1,879.6	1,187.1	.....	1,227.4	919.7	1,187.1	116.5	.....	.....	.....	459.9	.....	.....	.....	.....	.....	43
554.7	691.1	.....	.....	729.7	.....	.....	1,879.8	1,459.5	909.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44
2,931.0	340.7	1,088.1	.....	3,157.9	2,211.8	3,264.9	.....	4,210.5	1,105.9	206.7	.....	.....	.....	1,052.6	.....	.....	.....	.....	.....	45
1,938.3	1,719.4	730.1	1,403.1	2,824.7	1,557.1	730.1	701.6	3,530.8	3,392.8	.....	171.9	.....	.....	.....	.....	.....	.....	.....	.....	46
647.2	.....	.....	.....	.....	.....	.....	.....	2,554.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47



[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
KANSAS CITY, KANS.—continued.																					
1	White, all ages.....	60.1	58.9	13.9	12.5	68.3	70.5	57.8	52.2	61.8	58.3	3.2	3.7	2.8	3.1	4.0	2.3	1.2	4.5	3.3	5.8
2	Under 1 year.....	42.9	38.9	33.3	33.3	50.0	50.0	25.0	25.0	50.0	100.0	3.6	2.8			10.0			25.0		
3	1 year.....	75.0	73.9			81.8	62.5	100.0	75.0	50.0	100.0										
4	2 years.....	72.2	66.7			50.0	80.0	66.7	66.7	87.5			11.1			20.0					
5	3 years.....	84.6	60.0			100.0	50.0			75.0	100.0										
6	4 years.....	100.0	100.0			100.0	100.0	100.0	100.0		100.0										
7	5 to 9 years.....	58.8	94.7			62.5	93.3	100.0	100.0	57.1	100.0	23.5				25.0				28.6	
8	10 to 14 years.....	75.0	90.9			100.0	100.0	66.7	66.7	75.0	100.0	12.5							25.0		
9	15 to 17 years.....	50.0	83.3			50.0	100.0	25.0	80.0	100.0	83.3									50.0	
10	18 years.....	60.0	87.5			100.0	80.0	100.0	100.0	50.0	100.0	20.0									
11	19 years.....	72.7				75.0				66.7		18.2				25.0					
12	20 years.....	100.0	50.0			100.0	50.0	100.0		50.0											
13	21 years.....	60.0	66.7			100.0	100.0	100.0	50.0	50.0											
14	22 years.....	100.0	80.0			100.0	87.5			100.0	100.0										
15	23 years.....	50.0				66.7						100.0							100.0		
16	24 years.....	75.0	83.3			66.7	87.5			100.0	75.0										
17	25 years.....	92.3	75.0			100.0	80.0	100.0		100.0	100.0		8.3						100.0		
18	26 years.....	66.7	55.6			60.0	100.0	100.0	75.0	100.0			11.1							50.0	
19	27 years.....	81.8	77.8			71.4	80.0	100.0		100.0	75.0		11.1			20.0					
20	28 years.....	57.1	80.0			60.0	80.0		100.0	50.0	75.0	14.3	10.0			20.0				25.0	
21	29 years.....	60.0	87.5			75.0	100.0	50.0	50.0	66.7	100.0	10.0				25.0					
22	30 years.....	90.9	83.3			100.0	80.0	66.7	100.0	100.0	66.7										
23	31 years.....	87.5	62.5			100.0	80.0		100.0	66.7			25.0							50.0	
24	32 to 34 years.....	84.6	76.5			88.2	75.0	100.0	100.0	100.0	83.3		11.8			12.5				16.7	
25	35 to 39 years.....	73.2	66.7			81.0	100.0	70.0	33.3	75.0	70.0	2.4	8.3	60.0	33.3					10.0	
26	40 to 44 years.....	80.0	46.2			81.8	66.7	80.0	50.0	75.0	50.0	5.0						20.0			
27	45 to 49 years.....	37.5	54.5			28.6	71.4	33.3		66.7	25.0										
28	50 to 54 years.....	28.6	33.5	20.0		42.9	33.3		100.0	40.0	33.3										
29	55 to 59 years.....	25.0	22.2			20.0			50.0	50.0											
30	60 to 64 years.....	47.8	17.6	50.0		37.5	33.3	60.0		50.0	20.0	4.3				12.5					
31	65 years and over.....	22.0	18.8	12.5	20.0	26.7	18.2	12.5		26.3	27.8		2.1								5.6
32	Unknown age.....																				
33	Colored, all ages.....	37.3	53.5	6.7		35.3	71.0	69.2	41.7	42.9	50.0	1.7				5.9					
34	Under 1 year.....	33.3	66.7				100.0	50.0	100.0	100.0	50.0										
35	1 year.....	100.0	75.0			100.0	85.7														
36	2 years.....	66.7	100.0			75.0	100.0	100.0			100.0										
37	3 years.....																				
38	4 years.....		100.0				100.0														
39	5 to 9 years.....	100.0	75.0				75.0	100.0													
40	10 to 14 years.....	50.0	66.7				100.0	100.0	100.0												
41	15 to 17 years.....		50.0				100.0														
42	18 years.....																				
43	19 years.....	100.0						100.0													
44	20 years.....																				
45	21 years.....																				
46	22 years.....	100.0		100.0																	
47	23 years.....		100.0				100.0														
48	24 years.....		100.0								100.0										
49	25 years.....		100.0								100.0										
50	26 years.....		100.0				100.0	100.0	100.0												
51	27 years.....	100.0	100.0				100.0														
52	28 years.....	50.0								100.0											
53	29 years.....		50.0				100.0														
54	30 years.....																				
55	31 years.....	100.0						100.0													
56	32 to 34 years.....	66.7	100.0				100.0			100.0											
57	35 to 39 years.....	40.0	33.3				50.0	100.0		33.3	50.0										
58	40 to 44 years.....	60.0	66.7			100.0	100.0	100.0			100.0										
59	45 to 49 years.....		25.0						33.3												
60	50 to 54 years.....		25.0							100.0		20.0				50.0					
61	55 to 59 years.....		50.0							100.0											
62	60 to 64 years.....								100.0												
63	65 years and over.....		33.3																		
64	Unknown age.....	100.0								100.0											

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[See note at head of this table, pp. 102, 103.]

[illegible]





[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1,230.7	1,133.4	195.0		2,404.9	2,003.5	877.6	1,059.8	1,414.6	1,444.4	23.9	82.6	97.5		186.4		96.3		46.6	1
4,800.5	2,572.0			10,826.7	5,075.3		5,247.3	8,119.3		685.8		2,798.2							2
1,465.7	1,549.2	2,990.2			3,057.0		2,892.2	3,057.0											3
1,390.7	1,472.9			5,488.4	2,906.4		3,004.9												4
588.6	685.8				2,706.4			2,322.8											5
1,390.7	1,488.9			2,744.2	2,928.0		3,027.3	2,744.2											6
302.2	304.8			596.3	601.4		621.8	596.3						605.1					7
484.6	460.0			637.5	1,210.3			1,275.0	605.1		153.3			825.2					8
472.4	1,045.5			932.1	2,475.5	963.7	853.1		825.2		209.1								9
1,958.5	556.8			2,676.4	2,197.4	2,663.8		2,576.4											10
1,579.2	2,243.9			4,154.9	4,427.8	2,147.9	4,577.9												11
515.5	479.9				1,894.1			2,034.5											12
448.9	1,099.3				2,169.1	1,831.8		2,169.1											13
1,582.0	1,512.6			6,243.4	1,989.9			4,114.7											14
1,752.0	2,076.4			6,914.0	6,145.8			2,048.6		519.1						2,118.1			15
1,115.6	544.6							4,594.8	2,149.4	544.6				2,149.4					16
2,113.1	1,604.7			4,169.6	2,110.9	2,155.5		2,084.8	4,221.8										17
1,776.2	2,291.2	2,415.8		4,673.3	4,521.1		2,337.2	2,260.5		572.8						2,337.2			18
	2,555.6				7,564.1			2,621.4		638.9								2,521.4	19
1,728.3	3,470.0			4547.2	4,564.8	2,350.7	2,359.8	6,847.2											20
4,397.1	5,155.2				11,625.6		9,014.8	17,352.9											21
1,702.1				4,478.2				2,239.1											22
4,571.9	2,317.8			1,0825.7		3,730.9	6,304.9	3,608.6	3,049.1										23
3,615.0	2,213.0			9,178.9	3,881.6	4,217.8	1,003.3	1,019.9	3,881.6										24
1,563.5	952.7			4,011.3	626.7	2,073.7	1,295.8	1,337.1	1,880.0										25
1,771.6	951.6			3,107.3	751.1	2,409.5	1,553.2	1,553.7	1,502.2	190.3				751.1					26
427.4	837.5			843.5	826.3		854.3	843.5	1652.7										27
	329.3						1,343.6			302.0		1,232.3							28
366.4	373.8							1,446.1	1,475.0										29
985.5	1,236.4	1,608.4		777.9	2,439.7	804.2		777.9	2,439.7										30
																			31
																			32
1,231.1	1,145.9	211.5		2,454.9	2,083.3	846.0	945.6	1,380.9	1,524.3	25.9	90.1	105.8		203.2		105.1		50.8	33
4,397.1	2,724.4			11,568.6	5,375.9		5,558.1	5,784.3		732.8		2,990.2							34
793.1	1,679.8	5,236.1			3,314.6			3,314.6											35
1,480.2	1,607.5			5,841.6	3,172.0		3,279.6												36
637.5	755.1				2,979.8			2,516.0											37
1,472.9	1,566.2			2,906.4	3,130.0		3,236.1	2,906.4											38
329.3	336.3			649.8	683.7		686.2	649.8											39
523.3	537.1			700.3	1,330.3			1,406.6			168.5			665.2					40
621.8	1,161.6			1,029.7	2,760.6	1,064.6	947.9		916.9		232.3			916.9					41
2,161.4	596.8			2,843.4	2,355.3	2,939.8		2,843.4											42
1,743.6	1,858.1			4,600.4	2,418.0	2,378.2	5,000.0												43
550.6	513.7				2,027.5			2,173.1											44
	1,210.5				2,388.7			2,388.7											45
1,725.0	1,648.6			6,807.7	2,169.1			4,338.2											46
1,864.9	2,260.9			7,359.7	6,691.9			2,230.6		565.2						2,306.2			47
1,196.0	589.7							4,720.0	2,327.4	589.7				2,327.4					48
2,269.4	1,745.1			4,278.2	2,295.7	2,315.0		2,259.1	4,591.4										49
1,920.8	2,491.6	2,612.3		6,053.5	4,917.1		2,541.7		2,458.5		622.9					2,541.7			50
	2,762.1				3,175.5				2,725.2		630.5							2,725.2	51
1,868.7	3,761.0			4,916.7	4,947.6	2,541.7	2,557.7		7,421.4										52
3,944.6	4,822.6				12,688.2		6,559.1	15,567.3											53
1,804.8				4,748.5				2,374.2											54
5,067.8	2,519.7			12,000.0		4,135.6	6,853.9	4,000.0	3,314.6										55
3,594.0	1852.2			9,879.1	4,539.5			1,097.7	4,244.6										56
1,836.6	858.2			3,624.1	677.4	2,248.2	700.3	1,449.6	1,932.1										57
1,288.8	1,049.1			1,695.4	828.1	1,752.9	1,712.3	1,695.4	1,666.1	209.8				828.1					58
469.0	679.5			925.5	893.9			925.5	1,787.9										59
	367.5						1,476.2			328.6		1,340.7							60
892.9	397.6							1,550.6	1,569.1										61
1,064.8	1,337.8	1,737.9		840.5	2,639.8	868.9		840.5	2,639.8										62
																			63



[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
TOPEKA, KANS.—continued.																					
1	Colored, all ages.....	47.1	33.3			50.0	40.0	50.0	44.4	60.0	20.0										
2	Under 1 year.....	100.0																			
3	1 year.....	50.0								100.0											
4	2 years.....									100.0											
5	3 years.....																				
6	4 years.....																				
7	5 to 9 years.....																				
8	10 to 14 years.....		100.0																		
9	15 to 17 years.....										100.0										
10	18 years.....																				
11	19 years.....		100.0					100.0													
12	20 years.....																				
13	21 years.....	100.0							100.0												
14	22 years.....																				
15	23 years.....																				
16	24 years.....																				
17	25 years.....																				
18	26 years.....																				
19	27 years.....																				
20	28 years.....																				
21	29 years.....	100.0	100.0							100.0	100.0										
22	30 years.....																				
23	31 years.....																				
24	32 to 34 years.....		100.0				100.0			100.0											
25	35 to 39 years.....	100.0	50.0			100.0				50.0											
26	40 to 44 years.....	42.9				50.0		50.0													
27	45 to 49 years.....		100.0							100.0											
28	50 to 54 years.....																				
29	55 to 59 years.....																				
30	60 to 64 years.....																				
31	65 years and over.....																				
32	Unknown age.....																				
WICHITA, KANS.																					
33	All ages.....	50.7	51.4		3.0	54.9	59.7	48.1	54.2	68.3	61.5	2.3	2.0				3.5	4.2	3.9	2.6	
34	Under 1 year.....	33.3	16.7			21.4		50.0		60.0	50.0										
35	1 year.....		50.0				66.7														
36	2 years.....	25.0	66.7				100.0			100.0	100.0										
37	3 years.....	100.0	50.0							100.0	100.0										
38	4 years.....		50.0								100.0										
39	5 to 9 years.....	66.7	33.3			100.0	100.0	100.0		66.7											
40	10 to 14 years.....																				
41	15 to 17 years.....	50.0	62.5			50.0	100.0	66.7		100.0	100.0										
42	18 years.....	75.0	63.6			100.0	66.7		50.0		75.0										
43	19 years.....	100.0	66.7			100.0	100.0	100.0	100.0	100.0											
		66.7	50.0			100.0				100.0	100.0	16.7	25.0				100.0	100.0			
44	20 years.....	50.0	100.0			66.7	100.0		100.0		100.0										
45	21 years.....	66.7	57.1				66.7		100.0	100.0	100.0										
46	22 years.....	80.0	80.0			50.0	100.0	100.0		50.0	100.0										
47	23 years.....	100.0	75.0			100.0	66.7		100.0	100.0	50.0										
48	24 years.....	100.0	75.0			100.0	100.0		100.0	100.0	50.0		12.5				33.3				
49	25 years.....	100.0	85.7			100.0	100.0	100.0	100.0	100.0	75.0										
50	26 years.....	100.0	90.0			100.0	75.0	100.0	100.0	100.0	100.0										
51	27 years.....		75.0			80.0			100.0	66.7	100.0		12.5								
52	28 years.....	100.0	71.4			100.0	66.7	100.0	50.0	100.0	100.0					20.0					
53	29 years.....	90.0	75.0			100.0	100.0	66.7	50.0	100.0	100.0										
54	30 years.....	81.3	100.0			90.9	100.0	50.0	100.0	66.7	100.0	6.3					9.1				
55	31 years.....	71.4	100.0			66.7	100.0														
56	32 to 34 years.....	56.5	81.3			71.4	83.3	57.1	71.4	75.0	100.0										
57	35 to 39 years.....	77.3	56.3			77.8	66.7	77.8	33.3	75.0	75.0	4.4	6.3				14.3	16.7			
58	40 to 44 years.....	50.0	53.3			40.0	42.9	100.0		50.0	60.0	4.6	6.3				11.1			12.5	
59	45 to 49 years.....	53.8	27.3			100.0	100.0	66.7	33.3	50.0	33.3										
60	50 to 54 years.....	10.0	9.1				50.0	20.0													
61	55 to 59 years.....	30.0	16.7			50.0	50.0	100.0				10.0						20.0			
62	60 to 64 years.....		10.0						50.0												
63	65 years and over.....	9.8	19.0		9.1	5.9	12.5	6.7	25.0	37.5	26.7	2.0	10.0					6.7		33.3	
64	Unknown age.....		50.0								100.0										

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[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1,225.4	995.2			1,813.5	1,122.2	1,250.0	2,320.5	1,813.5	561.1										
10,357.1	19,290.3							42,142.9											
								38,064.6											
	1,698.9								6,704.5										
	6,644.4			36,222.2															
6,229.9						25,416.7													
10,310.3	8,794.1							35,832.4	40,689.7										
	5,750.0				11,346.2		11,730.8												
2,182.5	2,120.6			8,613.1			8,652.5												
7,065.0				18,582.7		9,606.3													
	2,768.5						11,296.3												
1,171.3	1,054.0	32.8		1,861.1	1,365.4	1,148.3	1,280.4	1,650.9	1,524.2	53.2	40.2			120.1	95.3	93.1			63.5
4,077.3	882.0			5,363.6		5,545.5		5,363.6	3,480.8										
	967.6				3,818.8														
453.0	910.2				1,796.0				1,787.9										
870.5	467.2								3,435.2										
	489.4								1,843.8										
									1,931.3										
409.2	96.5			403.7	381.0	417.4		807.4											
527.7	484.6			833.0	1,147.5	861.3		416.5	765.0										
476.9	1,009.6			1,882.0	1,158.4		1,177.0		1,707.7										
4,095.9	681.9			4,849.3	1,345.5	6,684.9	1,391.1	4,849.3											
1,521.6	683.4			8,002.5			1,394.3	3,002.5	1,348.6	380.4	341.7			1,348.6	1,552.2				
640.9	1,872.7			2,529.5	1,231.7		5,093.9		1,281.7										
1,220.4	1,336.3				2,636.9		1,563.1	4,816.3	1,318.4										
1,308.5	1,360.6			1,291.0	2,684.9	1,334.8	1,387.9	2,582.1	1,342.4										
1,492.0	1,902.4			1,177.6	2,502.7		3,881.2	4,710.6	1,251.3		517.1			1,251.3					
621.6	1,010.1			1,226.6	1,328.8		1,373.9	1,226.6	1,328.8										
1,918.7	2,038.6			2,524.1	1,340.9	2,609.6	2,773.7	2,524.1	4,022.7										
976.1	3,199.8			1,284.0	4,209.3	1,327.5	4,552.0	1,284.0	4,209.3										
2,135.7	2,523.2			5,619.0			6,463.6	2,809.5	3,319.4	356.0				1,404.8					
1,687.4	1,223.2			2,663.7	2,878.0	1,377.0	1,487.8	2,663.7	2,878.0										
3,540.8	1,177.2			4,657.9	1,548.6	3,210.5	1,601.0	6,210.5	1,548.6										
4,442.3	2,471.1			13,485.7	4,179.5	1,394.3	2,880.8	2,697.1	2,786.3	341.7				1,348.6					
2,577.6	1,001.7			4,069.0	1,976.5			6,103.4	1,976.5										
1,466.1	2,005.7			2,332.5	3,044.4	2,342.8	3,147.6	2,666.0	1,826.6	143.5	154.3			566.5	608.9				
1,666.6	1,046.3			2,708.2	917.6	2,800.0	474.3	1,160.7	2,752.7	38.0	116.3			386.9				458.8	
700.8	1,095.7			921.9	1,621.6	1,429.7	1,117.7	460.9	1,621.6										
973.0	495.0			1,097.2	651.2	1,134.4	673.3	1,645.7	651.2										
151.9	179.5				708.3		616.8			151.2									
638.9	260.7			1,680.9	1,028.8		868.9												
	308.2						1,257.7				308.2								
809.4	1,516.8	773.6		638.9	748.3	660.5		1,547.2	1,916.6	161.9									
	4,671.9								18,437.5										



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
ALL OTHER REGISTRATION CITIES, <sup>1</sup> KANSAS.																					
1	All ages.....	51.1	46.9	5.9	6.6	46.3	47.5	56.5	47.8	64.4	58.4	2.6	3.8			2.0	3.6	3.1	5.1	3.4	4.1
2	Under 1 year.....	17.4	30.9	11.1		35.7	41.2	22.2	18.8		43.8	2.2				7.1					
3	1 year.....	64.3	66.7			25.0	66.7	100.0	100.0	66.7	100.0	7.1								16.7	
4	2 years.....	55.6	81.8			100.0	66.7	100.0	100.0	50.0	75.0	11.1								25.0	
5	3 years.....	80.0	80.0			100.0	100.0	50.0			100.0										
6	4 years.....	100.0	50.0					100.0		100.0	33.3										
7	5 to 9 years.....	70.6	66.7			33.3	50.0	85.7	100.0	83.3	80.0		8.3								20.0
8	10 to 14 years.....	50.0	100.0			40.0	100.0	75.0	100.0	100.0	100.0										
9	15 to 17 years.....	80.0	33.3			60.0	50.0	50.0		100.0	100.0		22.2			50.0		100.0			
10	18 years.....	85.7	77.8			100.0	33.3		100.0	80.0	100.0		22.2			66.7					
11	19 years.....	60.0	44.4					100.0		50.0	33.3	20.0	11.1			100.0			50.0		
12	20 years.....	91.7	85.7			100.0	100.0	75.0	100.0	100.0	100.0	3.3					25.0				
13	21 years.....	75.0	80.0			66.7	100.0	66.7	66.7	100.0	100.0										
14	22 years.....	85.7	87.5			66.7	100.0	100.0	100.0	100.0	80.0										
15	23 years.....	60.0	61.5				100.0	75.0	57.1	60.0	100.0	10.0	15.4				25.0		28.6		
16	24 years.....	57.1	75.0				100.0	60.0		100.0	57.1	14.3	16.7				20.0				28.6
17	25 years.....	71.4	62.5			50.0	66.7	100.0	100.0	100.0	33.3		25.0							66.7	
18	26 years.....	70.0	76.5			100.0	80.0	50.0	50.0	100.0	88.9		5.9							11.1	
19	27 years.....	55.6	80.0					33.3	100.0	100.0	85.7										
20	28 years.....	88.9	87.5			80.0	100.0	100.0	66.7	100.0	90.0		6.3				33.3				
21	29 years.....	87.5	100.0			66.7	100.0	100.0	100.0	100.0	100.0	12.5				33.3					
22	30 years.....	100.0	64.3			100.0	100.0	100.0	66.7	100.0	83.3										
23	31 years.....	100.0	75.0			100.0	100.0	100.0	50.0	100.0	80.0										
24	32 to 34 years.....	72.7	71.4			78.6	57.1	66.7	66.7	81.8	90.9	3.0	7.1			14.3		11.1		9.1	
25	35 to 39 years.....	76.3	62.1		100.0	60.0	60.0	88.9	33.3	88.2	75.0	5.3	3.4				16.7		11.8		
26	40 to 44 years.....	72.0	36.4			33.3	60.0	83.3	50.0	80.0	37.5	8.0				33.3		16.7			
27	45 to 49 years.....	47.1	33.3				33.3	50.0	50.0	75.0	33.3										
28	50 to 54 years.....	42.1	27.3	25.0		50.0	25.0	20.0	25.0	75.0	40.0		4.5							20.0	
29	55 to 59 years.....	21.1	27.3		25.0	37.5	12.5			16.7	44.4										
30	60 to 64 years.....		12.5				20.0		33.3												
31	65 years and over.....	12.9	12.6	5.9	10.0	7.1		14.3	13.3	22.2	21.6		1.8					3.3		2.7	
32	Unknown age.....																				
KANSAS, RURAL, GROUP 1. <sup>2</sup>																					
33	All ages.....	41.2	40.2			54.3	50.0	39.6	39.4	50.9	57.4	2.8	5.3			7.7	2.2	3.8	2.1	12.1	5.3
34	Under 1 year.....	17.4	5.3			40.0				40.0	16.7	4.3				20.0					
35	1 year.....	50.0	80.0				100.0		100.0	100.0	100.0										
36	2 years.....	25.0	33.3			100.0					50.0										
37	3 years.....										100.0										
38	4 years.....		100.0								100.0										
39	5 to 9 years.....	66.7								66.7											
40	10 to 14 years.....	100.0	50.0			100.0			100.0	100.0											
41	15 to 17 years.....	33.3								100.0											
42	18 years.....	66.7						100.0		50.0											
43	19 years.....	100.0	100.0			100.0	100.0			100.0											
44	20 years.....	100.0						100.0		100.0											
45	21 years.....	66.7	100.0			50.0	100.0	100.0		66.7											
46	22 years.....	100.0	100.0			100.0	100.0	100.0		100.0	100.0										
47	23 years.....		100.0				100.0			100.0	100.0										
48	24 years.....	60.0	66.7			100.0	100.0	33.3		100.0	100.0									100.0	
49	25 years.....	75.0				100.0				100.0			100.0								
50	26 years.....	100.0	100.0				100.0		100.0	100.0						100.0		100.0			
51	27 years.....		60.0					50.0		100.0											
52	28 years.....	33.3	100.0				100.0		100.0	100.0	100.0										
53	29 years.....	100.0				100.0				100.0			50.0								
54	30 years.....	100.0	100.0			100.0		100.0	100.0	100.0	100.0										
55	31 years.....	75.0	100.0				100.0	100.0	50.0	50.0	100.0										
56	32 to 34 years.....	83.3	80.0			100.0		80.0		66.7	100.0										
57	35 to 39 years.....	88.9	53.3			100.0	66.7	100.0	100.0	100.0	50.0										
58	40 to 44 years.....	33.3	57.1			50.0		50.0		100.0			14.3			50.0					
59	45 to 49 years.....	60.0						100.0		100.0											
60	50 to 54 years.....																				
61	55 to 59 years.....	40.0	20.0					100.0		100.0	100.0										
62	60 to 64 years.....		14.3							33.3	7.7	28.6				33.3					
63	65 years and over.....	5.0	13.0			11.1		11.1	16.7		28.6							11.1	100.0	25.0	7.7
64	Unknown age.....																				

<sup>1</sup> Includes Atchison, Coffeyville, Fort Scott, Hutchinson, Independence, Lawrence, Leavenworth, Parsons, and Pittsburg.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

137

TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.

Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1,018.2	986.7	48.3	64.4	1,074.7	1,028.0	1,191.6	1,046.8	1,744.4	1,791.3	51.3	78.9			46.7	77.9	64.4	112.7	93.4	124.6
1,830.1	3,756.8	938.4		4,514.2	6,105.0	1,866.9	2,705.1		6,105.0	228.8				902.8					
1,011.8	1,279.4			1,260.9	1,536.7	1,303.7	2,042.8	1,471.1	1,536.7	106.5								420.3	
520.8	350.8			171.3	519.2	1,062.4	178.9	856.3	692.8		43.9								173.1
304.9	302.1			343.8	340.6	533.1	352.1	343.8	510.9										
834.6	534.3			784.3	301.2	486.5	778.6	2,039.1	1,054.2	39.7	190.8			602.4		155.7	156.9		
2,127.4	1,041.2			763.3	1,369.7	2,367.4	2,124.2	5,342.8	684.9	193.4						789.1			
1,142.0	1,319.5			819.4	1,673.8	2,329.9	1,730.5	1,434.0	1,859.7	103.8	188.5					423.6	384.6		371.9
1,667.6	2,217.1			2,312.3	2,230.3	1,839.0	1,596.4	2,490.2	4,975.3	45.1	173.9			177.9		177.4		514.7	
2,212.9	1,806.2			3,534.8	1,425.6	2,364.8	1,895.1	2,911.0	3,869.5	52.7	103.2			203.7		210.6	207.9		
1,490.9	828.5		130.0	876.3	1,131.8	1,682.6	520.1	3,380.0	1,509.1	126.9	31.9			125.2		129.4	130.0	250.4	
575.8	502.0	146.8		426.1	457.2	440.5	945.4	1,278.3	609.6		38.6							152.4	
237.1	478.2		243.9	701.7	471.8		243.9	233.9	943.6										
799.6	975.1	271.9	568.4	526.0		815.7	1,136.7	1,577.9	2,198.9		139.3					284.2		274.9	
366.0	307.5			494.7	297.7	388.7	307.8	573.8	618.3	25.1	40.6		47.3	19.8	22.9	20.5	94.7	59.4	
729.8	194.9			1,439.0				1,439.0	769.2	182.3				719.5					
97.6	302.7			192.7	199.1		411.7	192.7	597.4										
87.8								346.5											
140.3	49.1			369.1			200.3	184.5											
80.2								316.7											
632.1	137.5			498.9	542.8	1,031.7		997.9											
761.5						2,071.3		1,001.7											
692.4	694.5			1,069.3	773.1	675.6	654.0	1,009.9	1,335.3	15.1	89.0		72.7		70.3		218.0	59.4	
183.4	190.2			103.4		427.7	155.2	206.8	600.6	78.6	76.1		155.2			106.9	155.2	206.8	

<sup>2</sup> Includes the following counties: Cheyenne, Decatur, Gove, Graham, Greeley, Lane, Logan, Ness, Norton, Rawlins, Scott, Sheridan, Sherman, Thomas, Trego, Wallace, and Wichita.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE, POPULATION IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 2. <sup>1</sup>																	
1	All ages.....	60.3	50.8	19.0	5.6	49.0	34.9	67.0	61.4	69.7	64.2	3.2	7.0			3.9	9.5
2	Under 1 year.....	25.0	27.8	40.0		53.3	16.7	42.9	40.0		33.3						
3	1 year.....	50.0	25.0			100.0		50.0	50.0		100.0	25.0	12.5			25.0	50.0
4	2 years.....	100.0	60.0					100.0			100.0						
5	3 years.....	100.0	100.0			100.0		100.0			100.0						
6	4 years.....	75.0				100.0				100.0							
7	5 to 9 years.....	25.0	50.0							100.0	100.0						
8	10 to 14 years.....	100.0	66.7					100.0		100.0	100.0						
9	15 to 17 years.....	61.9	83.3			25.0	100.0	66.7	100.0	83.3		9.5				25.0	
10	18 years.....	100.0						100.0		100.0							8.3
11	19 years.....	100.0	100.0					100.0		100.0	100.0						
12	20 years.....	87.5	50.0					100.0	100.0	75.0	100.0		25.0			50.0	
13	21 years.....	100.0	66.7					100.0	50.0	100.0	100.0						
14	22 years.....	100.0	75.0			100.0	100.0	100.0		100.0	66.7						
15	23 years.....	57.1	40.0					100.0	50.0	50.0	100.0	14.3	20.0			50.0	50.0
16	24 years.....	100.0	100.0					100.0	100.0	100.0	100.0						
17	25 years.....	66.7	100.0			66.7		50.0	100.0	100.0	100.0	16.7				50.0	
18	26 years.....	100.0	60.0			100.0	100.0		100.0	100.0	50.0		20.0				50.0
19	27 years.....	100.0	50.0			100.0	50.0		100.0	100.0	33.3		33.3			50.0	
20	28 years.....		100.0					100.0		100.0							33.3
21	29 years.....	77.8	100.0			66.7	100.0	75.0	100.0	100.0	100.0						
22	30 years.....	85.7	50.0			100.0	33.3	100.0	50.0	80.0	100.0	14.3	33.3			33.3	50.0
23	31 years.....	100.0	20.0					100.0	100.0	100.0			20.0				100.0
24	32 to 34 years.....	78.3	66.7			75.0		81.8	100.0	100.0	60.0	4.3	16.7			25.0	20.0
25	35 to 39 years.....	86.7	57.1			100.0	50.0	100.0	62.5	100.0	100.0	14.3				25.0	
26	40 to 44 years.....	72.7	66.7			100.0		80.0	100.0	60.0	80.0	11.1					20.0
27	45 to 49 years.....	57.1	50.0			75.0		100.0			100.0						
28	50 to 54 years.....	50.0	80.0					66.7	100.0	50.0	100.0						
29	55 to 59 years.....	50.0	66.7					100.0	50.0	100.0		50.0				50.0	
30	60 to 64 years.....	15.4	25.0					14.3		25.0	20.0						
31	65 years and over.....	17.9	10.7	33.3			10.0	10.0		33.3	22.2						
2	Unknown age.....	100.0						100.0		100.0							
KANSAS, RURAL, GROUP 3. <sup>2</sup>																	
33	All ages.....	48.2	50.2		9.7	56.6	63.2	51.8	50.0	53.8	52.2	3.6	6.9			6.0	6.9
34	Under 1 year.....	30.8	35.3			37.5	60.0	33.3	50.0	33.3	16.7		5.9				16.7
35	1 year.....	63.6	55.6		25.0	66.7	100.0	50.0		100.0	50.0						
36	2 years.....	57.1	100.0			100.0	100.0	75.0			100.0						
37	3 years.....	100.0	50.0			100.0	100.0			100.0							
38	4 years.....		100.0				100.0										
39	5 to 9 years.....	40.0	42.9				100.0			100.0	66.7						
40	10 to 14 years.....	44.4	50.0			60.0	66.7	33.3	100.0			22.2	33.3			20.0	
41	15 to 17 years.....	63.6	80.0			100.0	83.3	66.7	50.0	50.0	100.0					33.3	50.0
42	18 years.....	100.0	83.3			100.0	100.0	100.0	66.7		100.0						100.0
43	19 years.....	40.0	100.0			50.0	100.0			50.0							
44	20 years.....	100.0	66.7				100.0	100.0		100.0	100.0		33.3			100.0	
45	21 years.....		66.7		100.0		50.0						33.3				
46	22 years.....	100.0	100.0			100.0		100.0	100.0							50.0	
47	23 years.....	50.0	75.0				66.7	100.0		100.0			25.0			33.3	
48	24 years.....	100.0	80.0				50.0	100.0	100.0	100.0	100.0						
49	25 years.....	85.7				50.0		100.0		100.0		66.7				50.0	100.0
50	26 years.....	100.0	100.0			100.0	100.0		100.0	100.0							
51	27 years.....	66.7	87.5				100.0	50.0	80.0	100.0	100.0		12.5			20.0	
52	28 years.....	100.0	100.0			100.0	100.0		100.0	100.0	100.0						
53	29 years.....	100.0	100.0		100.0	100.0	100.0		100.0	100.0							
54	30 years.....	100.0	75.0			100.0	100.0	100.0	100.0	100.0		25.0					100.0
55	31 years.....	100.0	40.0			100.0		100.0		100.0	100.0		40.0			100.0	
56	32 to 34 years.....	91.3	42.9			83.3	50.0	100.0	33.3	100.0	60.0		14.3			25.0	20.0
57	35 to 39 years.....	78.6	83.3			100.0	90.9	100.0	75.0	50.0	66.7		5.6			3.1	
58	40 to 44 years.....	45.5	50.0			50.0	100.0	66.7	66.7	33.3		9.1	16.7			25.0	100.0
59	45 to 49 years.....	40.0	62.5			100.0	66.7		66.7	50.0	100.0						
60	50 to 54 years.....	56.4	25.0					50.0		50.0	33.3						33.3
61	55 to 59 years.....		25.0				25.0				100.0	40.0				50.0	
62	60 to 64 years.....	20.0	15.4			33.3				33.3	40.0						100.0
63	65 years and over.....	8.8	16.4				16.7	15.8	25.0	14.3	20.0	5.9				7.7	14.3
64	Unknown age.....	33.3	100.0					100.0		100.0		33.3				100.0	

<sup>1</sup> Includes the following counties: Clark, Comanche, Edwards, Finney, Ford, Grant, Gray, Hamilton, Haskell, Hodgeman, Kearny, Kiowa, Meade, Morton, Pawnee, Seward, Stanton, and Stevens.

# MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATHRATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.

Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
738.0	550.5	80.3	23.9	485.4	346.7	1,184.5	836.4	1,203.9	993.8	39.4	76.1			38.8	92.4	60.2	95.6	58.3	115.6
1,363.5	966.4	1,589.6		1,537.5	762.8	2,884.4	1,577.2		1,525.5										
344.5	361.3			582.7	203.7	401.6	631.8	388.5	611.1	49.2	51.6			203.7	200.8				
44.8	112.4							177.0	562.2										
154.0	107.8					209.4		405.2	425.5										
1,127.6	481.0			342.3	759.3	707.9	1,177.6	3,423.3		173.5				342.3				342.3	
1,339.6	283.0			558.4	2,733.0			2,643.4	558.4										
1,666.4	588.6					3,885.4	1,200.8	2,818.5	1,161.4	294.3				1,161.4					
1,109.2	944.5			843.8	532.5	1,799.4	1,582.9	1,793.2	1,664.1	53.5	185.5			52.7	133.1	54.5	275.3	105.5	332.8
451.3	455.9	216.6	155.0	314.3	299.9	866.5	465.1	419.0	899.6	26.5					108.3				
6,361.7						12,978.7		12,553.2											
657.1	679.1		67.3	923.3	1,193.1	873.4	672.8	825.1	759.2	49.8	93.4			98.2	130.2		112.1	98.2	130.2
1,423.0	1,077.5			2,105.9	2,126.1	2,177.3	1,465.5	1,403.9	708.7		179.6								708.7
563.9	526.1		195.1	741.5	1,132.4	958.7		556.3	755.0										
86.1	133.5				175.7			339.7	351.3										
193.3	147.7			572.1	388.5	197.2	200.9			96.6	98.5			190.7	194.3			190.7	194.3
581.4	698.8			983.3	1,723.6	677.8	356.4	655.6	689.5		87.4					356.4			
775.3	1,036.4			2,039.8	2,556.3	527.2	1,057.2	509.9	511.3										
983.6	506.8				1,000.0	2,006.6		1,940.8	1,000.0	253.4						1,033.9			
1,081.5	1,013.1		135.5	1,615.0	1,704.1	1,312.0	1,287.5	1,384.3	917.6	14.6	199.3			57.7	327.7		205.3		262.2
373.4	649.7			210.5	809.7	652.9	637.6	631.5	1,079.6	160.0				210.5				421.0	
3,476.7	20,620.7					14,186.0		81,379.3	3,476.7					13,720.9					

<sup>2</sup> Includes the following counties: Barton, Ellis, Osborne, Phillips, Rooks, Rush, Russell, and Smith.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
KANSAS, RURAL, GROUP 4. <sup>1</sup>																					
1	All ages.....	49.8	46.4	6.9	4.3	55.2	44.7	51.4	38.3	60.0	65.8	4.1	5.3	3.4	8.7	1.5	4.3	5.7	3.3	5.3	6.3
2	Under 1 year.....	21.2	9.5					30.8		42.9	25.0	6.1		14.3		16.7					
3	1 year.....	42.9				100.0				100.0		14.3	33.3					33.3			100.0
4	2 years.....	66.7	50.0			100.0	50.0				100.0								100.0		
5	3 years.....		100.0							100.0											
6	4 years.....	100.0	66.7			100.0				100.0	100.0										
7	5 to 9 years.....	16.2	75.0							50.0	100.0	100.0									
8	10 to 14 years.....	100.0	40.0			100.0					100.0		20.0			50.0					
9	15 to 17 years.....	75.0	100.0			100.0		100.0	100.0	100.0	100.0										
10	18 years.....	100.0	83.3			100.0	100.0	100.0	100.0	100.0	100.0										
11	19 years.....		60.0					100.0		100.0	100.0		40.0		100.0	100.0					
12	20 years.....	100.0	100.0			100.0		100.0		100.0	100.0										
13	21 years.....	66.7	50.0				33.3	100.0	100.0	100.0	100.0										
14	22 years.....	25.0	66.7					100.0	100.0	100.0	33.3	25.0								33.3	
15	23 years.....	83.3	100.0			100.0	100.0	66.7		100.0	100.0										
16	24 years.....	80.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0										
17	25 years.....	80.0						100.0		100.0	100.0		100.0								100.0
18	26 years.....	80.0	50.0			100.0		75.0		100.0	100.0										100.0
19	27 years.....	100.0	70.0			100.0	50.0			100.0	85.7										100.0
20	28 years.....	87.5	66.7			75.0		100.0	100.0	100.0	100.0		33.3								100.0
21	29 years.....	75.0	100.0			100.0		50.0	100.0	100.0	100.0	25.0					50.0				
22	30 years.....	75.0	100.0			66.7	100.0	100.0		66.7	100.0										
23	31 years.....	75.0	80.0	50.0		100.0	100.0	100.0	50.0		100.0										
24	32 to 34 years.....	88.9	89.5			75.0	100.0	100.0	60.0		100.0		10.6				40.0				
25	35 to 39 years.....	81.8	63.6		100.0	100.0	100.0	83.3		75.0	50.0	4.5							8.3		
26	40 to 44 years.....	75.0	57.5	100.0		100.0	100.0	100.0	33.3	50.0		12.5	12.5						25.0	50.0	
27	45 to 49 years.....	20.0	33.3					50.0		50.0	50.0										
28	50 to 54 years.....	22.2	12.5			33.3			50.0	50.0	100.0	11.1	12.5		25.0		50.0				
29	55 to 59 years.....	18.2	33.3							50.0	100.0										
30	60 to 64 years.....	25.0	25.0				50.0	50.0	100.0	50.0	50.0										
31	65 years and over.....	10.0	20.8			25.0	28.6	7.1	11.1	8.3	40.0	2.5					7.1				
32	Unknown age.....																				
KANSAS, RURAL, GROUP 5. <sup>2</sup>																					
33	All ages.....	44.6	44.7		12.0	48.3	49.3	46.3	29.3	59.1	63.9	2.1	5.7		4.0	2.3	2.7	1.5	8.6	3.2	6.9
34	Under 1 year.....	13.8	25.0		25.0		14.3			36.4	75.0	3.4								9.1	
35	1 year.....	80.0	50.0			50.0	50.0	100.0	50.0	100.0	100.0										
36	2 years.....	66.7	33.3					100.0		100.0	50.0										
37	3 years.....	100.0				100.0															
38	4 years.....		33.3				100.0														
39	5 to 9 years.....	33.3	20.0			100.0				50.0			20.0			100.0					
40	10 to 14 years.....	55.6	57.1			50.0	50.0	60.0	75.0	100.0	100.0		14.3								100.0
41	15 to 17 years.....	66.7	75.0			100.0	75.0	50.0	100.0	80.0	100.0										
42	18 years.....	80.0	100.0			100.0	100.0	50.0	100.0	100.0	100.0										
43	19 years.....	100.0	75.0			100.0	100.0			100.0	50.0		25.0								50.0
44	20 years.....	100.0	100.0			100.0	100.0	100.0		100.0	100.0										
45	21 years.....	100.0	66.7			100.0				100.0	100.0		33.3			100.0					
46	22 years.....	100.0	66.7			100.0	100.0	100.0		100.0	50.0		16.7								50.0
47	23 years.....	100.0	100.0			100.0	100.0			100.0	100.0										
48	24 years.....	100.0	100.0			100.0				100.0	100.0										
49	25 years.....	100.0	100.0			100.0		100.0		100.0	100.0										
50	26 years.....	100.0	55.6			100.0	60.0	100.0		100.0	66.7		11.1								33.3
51	27 years.....	80.0	80.0			100.0		100.0	50.0	50.0	100.0	20.0								50.0	
52	28 years.....	100.0	70.0		50.0	100.0	100.0	100.0	50.0	100.0	100.0		20.0					50.0			
53	29 years.....	100.0	60.0			100.0	100.0	100.0	33.3	100.0			20.0					33.3			
54	30 years.....	66.7	100.0				100.0	100.0	100.0	75.0	100.0	33.3				100.0				25.0	
55	31 years.....	100.0	50.0			100.0	50.0			100.0	100.0										
56	32 to 34 years.....	85.0	69.2			77.8	100.0	100.0		100.0	100.0		7.7					33.3			
57	35 to 39 years.....	81.8	61.5			100.0	50.0	85.7	25.0	83.9	100.0										
58	40 to 44 years.....	42.9	50.0		100.0	75.0	66.7	25.0	100.0	40.0	20.0		10.0								20.0
59	45 to 49 years.....	20.0	16.7				33.3			100.0	100.0										
60	50 to 54 years.....	14.3	28.6				100.0			100.0	25.0		14.3		50.0						
61	55 to 59 years.....		42.9				25.0		50.0		100.0										
62	60 to 64 years.....	16.7	37.5			25.0	50.0	25.0			100.0										
63	65 years and over.....	6.3	7.8					16.7		9.1	30.8	2.5	2.0			4.8		5.6	7.1		
64	Unknown age.....	100.0						100.0													

<sup>1</sup> Includes the following counties: Barber, Harper, Kingman, Pratt, Stafford, and Sumner.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
603.7	563.9	41.1	23.7	734.6	481.8	738.9	545.6	893.4	1,193.1	50.3	64.0	20.5	47.4	19.9	45.9	82.1	47.4	79.4	114.7
1,536.7	431.8					3,583.0		2,599.1	1,704.0	439.1		895.7		866.4					
452.5	275.8			1,339.4	217.7		450.2	446.5	435.4	113.1	110.3					230.8		223.2	435.4
48.8	152.0							206.8	192.4										
51.6	109.5				203.8				432.3		54.8				216.2				
251.8	281.6				331.3		685.0	383.0	741.0										
461.8	1,043.2				911.2	514.6	471.0	1,596.2	455.6		260.8		532.1		514.6				
640.7	549.6			2,528.6				1,121.3	1,084.6										
1,127.2	956.1	112.2	68.4	1,139.3	1,059.2	1,458.3	752.9	1,790.3	1,919.8	55.0	83.9					56.1	136.9	162.8	198.6
287.6	506.8			309.5	400.0	320.0	551.5	515.9	1,066.8	52.3	33.8		137.9			213.3			
718.0	618.5		74.2	944.5	861.5	704.0	420.6	1,208.0	1,100.7	33.4	78.8		24.7	43.9	47.9	22.7	123.7	65.9	119.6
944.7	1,200.8		979.9		947.8			3,728.3	2,843.4	236.2								932.1	
416.0	313.0			469.1	494.0	727.5	255.4	469.1	494.0										
53.2	53.6			210.0				218.7			53.6				211.5				
287.5	233.4			226.9	230.2	703.8	714.1	226.9			58.3							250.2	
753.4	571.2			1,115.0	1,127.0	584.3	388.4	1,486.6	751.4										
952.7	724.7			1,611.3	1,715.9	555.3	591.4	1,611.3	572.0		144.9							572.0	
1,539.9	578.9			1,012.9	1,142.3	2,094.4		3,038.6	1,142.3										
												</							

\* Includes the following counties: Cloud, Ellsworth, Jewell, Lincoln, Mitchell, Republic, and Rice.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A. PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE, POPULATION IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 6. <sup>1</sup>																	
1	All ages.....	44.3	42.9	2.9	3.0	48.6	47.0	51.9	40.7	55.7	57.3	2.3	2.9	2.9	3.0	5.6	1.6
2	Under 1 year.....	20.0	9.1			20.0	11.1			100.0	25.0						
3	1 year.....	50.0	71.4			50.0	50.0			100.0	100.0						
4	2 years.....	100.0	50.0			100.0	100.0										
5	3 years.....	80.0	50.0					100.0	100.0	75.0							
6	4 years.....		80.0				50.0		100.0		100.0						
7	5 to 9 years.....	100.0	100.0			100.0	100.0	100.0		100.0	100.0						
8	10 to 14 years.....	57.1	75.0			66.7	100.0	100.0	100.0	50.0	66.7						
9	15 to 17 years.....	75.0	62.5			75.0	50.0	50.0		100.0	100.0						
10	18 years.....	100.0	100.0			100.0		100.0	100.0	100.0							
11	19 years.....	100.0	50.0			100.0		100.0	66.7		50.0		16.7				50.0
12	20 years.....	83.3	80.0			100.0	100.0	66.7	100.0	100.0		16.7	20.0			33.3	100.0
13	21 years.....	100.0	87.5			100.0	100.0		100.0	100.0	80.0		12.5				20.0
14	22 years.....	50.0	100.0				100.0	100.0									
15	23 years.....	50.0	50.0			100.0				100.0							
16	24 years.....	66.7	66.7			100.0	50.0		100.0	100.0	100.0						
17	25 years.....	100.0	66.7			100.0		100.0		100.0	100.0						
18	26 years.....	100.0	100.0				100.0	100.0	100.0	100.0	100.0						
19	27 years.....	100.0	80.0	100.0				100.0	50.0	100.0	100.0						
20	28 years.....	100.0	100.0			100.0		100.0	100.0		100.0						
21	29 years.....	50.0	40.0			50.0		50.0	100.0		50.0						
22	30 years.....	66.7	80.0				100.0	100.0		100.0	100.0						
23	31 years.....	66.7	50.0			100.0	100.0			50.0		33.3					50.0
24	32 to 34 years.....	70.6	100.0			66.7	100.0	50.0		100.0	100.0	5.9				25.0	
25	35 to 39 years.....	90.0	50.0		50.0	100.0	100.0	100.0	50.0	80.0	40.0		10.0				20.0
26	40 to 44 years.....	50.0	71.4			50.0	100.0	66.7		100.0	75.0						
27	45 to 49 years.....	66.7						100.0		100.0		20.0					33.3
28	50 to 54 years.....	20.0	37.5			33.3	33.3		50.0	50.0	50.0	12.5					50.0
29	55 to 59 years.....	25.0	25.0						50.0	50.0	28.6						
30	60 to 64 years.....		28.6				25.0				50.0						
31	65 years and over.....	1.5	11.9				29.4	7.1	9.1		7.1	3.1	1.5	7.1	7.1	7.1	
32	Unknown age.....																
KANSAS, RURAL, GROUP 7. <sup>2</sup>																	
33	All ages.....	49.8	48.4	9.5	8.9	56.6	50.0	51.5	47.7	60.6	62.7	2.5	5.1			3.9	4.8
34	Under 1 year.....	33.3	35.1			22.2	14.3	50.0	30.0	42.9	60.0	3.7	10.8			11.1	14.3
35	1 year.....	66.7	87.5				66.7	100.0	100.0	66.7	100.0	16.7					33.3
36	2 years.....	66.7	60.0			100.0	100.0			50.0	100.0						
37	3 years.....	50.0	50.0							100.0	100.0		50.0				100.0
38	4 years.....		60.0						66.7		50.0						
39	5 to 9 years.....	63.6	42.9			66.7	66.7	80.0	100.0	33.3		14.3					33.3
40	10 to 14 years.....	88.9	100.0			100.0	100.0		100.0	100.0	100.0						
41	15 to 17 years.....	87.5	75.0			100.0	100.0	100.0		100.0	80.0		12.5				20.0
42	18 years.....	100.0	100.0			100.0	100.0	100.0		100.0	100.0						
43	19 years.....	100.0	60.0			100.0	50.0	100.0	50.0		75.0		20.0			100.0	25.0
44	20 years.....	60.0	60.0				33.3	66.7		100.0	100.0		20.0			33.3	
45	21 years.....	66.7	33.3			66.7	100.0					33.3	33.3				50.0
46	22 years.....	71.4	100.0	50.0		100.0	100.0	50.0		100.0	100.0	14.3				50.0	
47	23 years.....	57.1	100.0			100.0		100.0		100.0	100.0	14.3				100.0	
48	24 years.....	50.0	66.7				100.0			100.0		33.3					100.0
49	25 years.....	100.0	66.7			100.0	66.7	100.0	100.0	100.0	75.0						
50	26 years.....	90.0	70.0	50.0	25.0		100.0	100.0	100.0	100.0	100.0						
51	27 years.....	71.4	66.7	100.0		66.7			50.0	66.7	100.0						
52	28 years.....	100.0	87.5			100.0	75.0	100.0	100.0	100.0	100.0						
53	29 years.....	62.5	100.0			100.0	100.0	50.0	100.0	33.3							
54	30 years.....	87.5	80.0			100.0	100.0		100.0	80.0	100.0						
55	31 years.....	83.3	55.7			100.0	50.0	100.0	100.0	75.0	100.0						
56	32 to 34 years.....	75.0	78.6		50.0	100.0	33.3	33.3	50.0	100.0	100.0	12.5				33.3	
57	35 to 39 years.....	73.7	62.5	100.0	40.0	66.7	50.0	80.0	75.0	71.4	69.2	8.8					15.4
58	40 to 44 years.....	71.4	45.5			100.0	25.0	100.0		66.7	100.0						
59	45 to 49 years.....	37.5	83.3			33.3	100.0	33.3	50.0	100.0	100.0						
60	50 to 54 years.....	20.0	66.7			33.3	50.0		50.0		80.0						
61	55 to 59 years.....	20.0	23.1			33.3	16.7			33.3	50.0		15.4			16.7	25.0
62	60 to 64 years.....	8.3				33.3											
63	65 years and over.....	4.8	8.6				7.7	11.1	6.3	14.3	6.3	9.5	1.6			7.7	
64	Unknown age.....		100.0								100.0						

<sup>1</sup> Includes the following counties: Brown, Doniphan, Marshall, Nemaha, and Washington.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
593.0	681.8	24.	27.0	835.9	809.8	691.4	648.2	812.0	1,227.8	30.3	46.3	24.7	27.0	.....	.....	74.1	.....	23.9	156.7
784.1	542.6	.....	.....	1,031.5	1,070.8	.....	.....	2,062.9	1,070.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
462.3	771.9	.....	.....	521.3	830.8	269.5	1,145.3	1,042.6	1,107.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
227.5	237.1	.....	.....	449.0	467.9	232.1	.....	224.5	467.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
238.8	368.3	.....	.....	471.2	723.8	243.6	250.5	235.6	484.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
613.1	528.1	.....	.....	1,209.8	416.8	417.0	.....	806.6	1,667.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,580.5	640.6	.....	.....	2,835.2	.....	2,931.3	1,960.4	567.0	632.0	.....	160.1	.....	.....	.....	.....	.....	.....	632.0	.....
1,489.0	1,330.4	.....	.....	1,175.3	1,312.6	2,430.3	4,071.2	2,350.6	.....	297.8	332.6	.....	.....	.....	.....	1,215.1	.....	1,312.6	.....
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\* Includes the following counties: Clay, Geary, Jackson, Jefferson, Pottawatomie, Riley, and Wabaunsee.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 8. <sup>1</sup>																					
1	Allages.....	48.4	50.0	5.6	2.7	65.0	46.7	34.0	49.3	56.5	68.1	2.4	4.2			1.0	2.8	2.1	8.5	4.1	4.2
2	Under 1 year.....	12.1	27.0			30.8	38.5		50.0		18.2										
3	1 year.....	70.0	42.9			100.0	33.3	50.0		60.0	100.0	10.0	14.3				33.3			20.0	
4	2 years.....	37.5	50.0				100.0			60.0											
5	3 years.....	50.0	66.7			100.0	100.0				100.0										
6	4 years.....	100.0	100.0					100.0		100.0											
7	5 to 9 years.....	81.8	28.6			100.0		75.0	33.3	100.0	50.0										
8	10 to 14 years.....	54.6	72.7			50.0	75.0	66.7	50.0	75.0	80.0		9.1					50.0			
9	15 to 17 years.....	66.7	71.4			75.0	100.0	100.0	100.0	75.0	100.0										
10	18 years.....	100.0	50.0			100.0		100.0		100.0											
11	19 years.....	85.7	66.7			50.0		100.0	66.7	100.0			16.7					33.3			
12	20 years.....	75.0	83.3			100.0	100.0		100.0	66.7	100.0										
13	21 years.....	83.3	100.0			100.0	100.0	75.0	100.0	100.0		16.7						25.0			
14	22 years.....	100.0	50.0			100.0		100.0		100.0											
15	23 years.....	100.0	85.7			100.0	75.0		100.0	100.0											
16	24 years.....	80.0	66.7			50.0	66.7		100.0	100.0		20.0				50.0					
17	25 years.....	83.3	85.7			100.0	66.7	50.0		100.0	100.0										
18	26 years.....	100.0	75.0			100.0	66.7		100.0	100.0	83.3		8.3							16.7	
19	27 years.....	100.0	90.0			100.0	83.3	100.0		100.0	100.0										
20	28 years.....	85.7	60.0			100.0	66.7	50.0		100.0	50.0		20.0				33.3				
21	29 years.....	90.0	57.1			100.0	50.0	100.0		80.0	75.0	10.0							20.0		
22	30 years.....	83.3	77.8				50.0	50.0	100.0	100.0	100.0										
23	31 years.....	77.8	28.6			100.0			100.0	100.0	33.3		14.3								33.3
24	32 to 34 years.....	87.5	65.0			85.7	50.0	100.0	57.1	90.9	87.5										
25	35 to 39 years.....	61.5	70.8			100.0	100.0	14.3	25.0	75.0	85.7	3.8	8.3					25.0	8.3	7.1	
26	40 to 44 years.....	75.0	50.0			100.0	66.7	33.3		100.0	50.0		21.4					100.0		16.7	
27	45 to 49 years.....	33.3	33.3				25.0		66.7	66.7	33.3		6.7							16.7	
28	50 to 54 years.....	55.6	45.5			100.0	33.3	50.0	25.0	60.0	100.0		9.1					25.0			
29	55 to 59 years.....	22.2	37.5	33.3		50.0	50.0		50.0	25.0	33.3	11.1					14.3		25.0		
30	60 to 64 years.....		22.2					50.0		25.0											
31	65 years and over.....	10.3	21.3	9.1	9.1		16.7	4.6	26.7	18.9	36.4	2.3	1.6				4.2		5.4		
32	Unknown age.....																				
KANSAS, RURAL, GROUP 9. <sup>2</sup>																					
33	Allages.....	47.0	45.7	5.6	4.2	42.9	44.2	47.8	42.6	60.3	62.5	5.0	9.7	5.6	4.2		9.3	10.9	14.9	4.4	8.3
34	Under 1 year.....	28.6	13.3				16.7	66.7	50.0				6.7							16.7	
35	1 year.....	80.0	40.0						80.0	66.7			20.0							33.3	
36	2 years.....	50.0	50.0						50.0	100.0											
37	3 years.....		75.0						100.0		66.7		25.0							33.3	
38	4 years.....	100.0	66.7	100.0					50.0		100.0										
39	5 to 9 years.....	35.0	88.9			100.0		100.0	50.0	75.0		11.1								25.0	
40	10 to 14 years.....	66.7	71.4			100.0		50.0	50.0	100.0	33.3						50.0				
41	15 to 17 years.....	77.8	80.0			100.0		50.0	100.0	66.7	100.0										
42	18 years.....	66.7	40.0					66.7	50.0		50.0	33.3	40.0				33.3	50.0		50.0	
43	19 years.....		66.7				100.0		100.0												
44	20 years.....	100.0				100.0				100.0			100.0				100.0				
45	21 years.....		66.7				50.0		100.0		50.0										
46	22 years.....	66.7				100.0				50.0											
47	23 years.....	50.0	66.7			100.0				100.0		50.0	33.3					100.0	100.0		
48	24 years.....	66.7	100.0				100.0	50.0		75.0		16.7					50.0				
49	25 years.....	100.0	75.0			100.0	50.0			100.0	100.0										
50	26 years.....	66.7	75.0			100.0	66.7	50.0	66.7	100.0		16.7	25.0				33.3	50.0			
51	27 years.....	75.0	100.0			100.0	100.0		100.0		100.0										
52	28 years.....	66.7	50.0				50.0	100.0	50.0		100.0	33.3	33.3				50.0		50.0	100.0	
53	29 years.....	100.0	100.0			100.0	100.0			100.0											
54	30 years.....	80.0	100.0			100.0	100.0	100.0		66.7	100.0	20.0								33.3	
55	31 years.....	100.0	100.0			100.0	100.0		100.0		100.0										
56	32 to 34 years.....	72.7	71.4			33.3	75.0	75.0		100.0	100.0		14.3				25.0				
57	35 to 39 years.....	70.6	63.6			62.5		66.7	33.3	83.3	100.0	5.9	9.1				100.0	33.3			
58	40 to 44 years.....	60.0	66.7			33.3		100.0		100.0			33.3					100.0			
59	45 to 49 years.....	16.7	42.9				50.0		50.0	33.3	100.0		14.3			50.0					
60	50 to 54 years.....	16.7	10.0				50.0			50.0			20.0					50.0		33.3	
61	55 to 59 years.....	16.7	12.5					50.0			50.0										
62	60 to 64 years.....	25.0	30.0			25.0			40.0	100.0	50.0		10.0						20.0		
63	65 years and over.....	10.0	6.3		10.0					30.8	9.1	2.5		10.0							
64	Unknown age.....																				

<sup>1</sup> Includes the following counties: Dickinson, Harvey, McPherson, Marion, Ottawa, and Saline.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE. AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.
827.0	814.0	86.7	19.9	1,188.5	961.9	586.9	696.1	1,472.3	1,558.2	40.5	68.2			17.7	57.7	36.7	119.3	106.4	96.2
782.2	2,016.2			3,087.0	3,978.4		2,468.0		1,591.4										
676.5	370.6			821.4	620.8	424.6		1,437.5	835.7	52.0	52.9			208.9				205.4	
395.0	88.4			806.1		537.8	180.4	173.2	174.5										
275.9	368.7			181.5	545.6	375.2	188.0	544.4	727.5		46.1					188.0			
594.7	391.3			880.2	308.8	606.7	638.6	880.2	617.6										
744.0	703.0			839.0		867.4	1,454.2	1,258.4	1,387.1		117.2					478.1			
1,311.4	1,150.9			3,450.5	908.4		1,878.4	1,725.1	1,816.8										
1,425.5	1,342.8			2,078.0	1,656.1	995.6	799.0	2,584.8	2,870.5	51.4	111.9			50.7	55.2	52.4	171.2	101.4	220.8
420.2	707.0	171.5	103.0	248.8	697.5	171.5	927.2	1,078.0	1,096.1	84.0	75.7			99.6	85.7	108.0	248.8	99.6	
655.0	696.6	31.4	33.4	638.6	614.5	691.7	668.8	1,246.8	1,455.5	69.3	147.5	31.4	33.4	129.4	157.2	234.1	91.2	194.1	
1,462.1	740.1			1,460.4	5,965.8	1,509.9					370.0							1,460.4	
548.6	745.4	378.1					760.4	1,804.3	2,206.3		186.4							735.4	
77.1	613.8			605.6		939.2	304.2	908.4			76.7							302.8	
152.6	388.0			301.2		311.4	316.6	1,225.0			76.3					311.4			
901.0	524.3			2,031.9		525.2	1,069.7	1,016.9	1,034.6										
364.0	795.2			784.6	1,435.1	1,622.8		784.6			182.0	397.6				742.5	811.2	734.6	
1,100.6				1,447.9				2,895.7			410.2			1,618.7					
1,185.4	1,073.1			1,284.2	1,251.2	1,232.9	597.1	2,201.5	2,406.2	139.5	170.7			288.7	284.5	398.0	275.2		
292.6	378.5	154.4	128.3	298.7	132.6	463.8	898.0	597.5		32.5	151.4	132.6	154.4			308.9		149.4	

<sup>a</sup> Includes the following counties: Chase, Coffey, Lyon, Morris, and Osage.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A. PERCENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.															
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.					
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
KANSAS, RURAL, GROUP 10. <sup>1</sup>																	
1	All ages.....	53.1	51.1	2.2	3.0	50.5	51.2	59.0	47.7	67.4	65.1	3.8	8.0	6.7	6.1	3.5	6.0
2	Under 1 year.....	25.7	11.5			33.3	14.3	44.4		22.2	33.3		7.7		16.7		14.3
3	1 year.....	76.5	66.7			80.0	100.0	83.3		80.0	100.0	11.8		100.0		16.7	
4	2 years.....	83.3	44.4	50.0		100.0	25.0			100.0	75.0		11.1				25.0
5	3 years.....	100.0	60.0			100.0	100.0	100.0	66.7				40.0		50.0		
6	4 years.....	100.0	66.7			100.0		100.0	66.7	100.0	100.0		16.7			100.0	
7	5 to 9 years.....	50.0	46.7				33.3	66.7	100.0	50.0	50.0	10.0	13.3			16.7	25.0
8	10 to 14 years.....	80.0	61.5			50.0	83.3	80.0		100.0	50.0						
9	15 to 17 years.....	61.9	90.9			66.7	100.0	75.0	100.0	72.7	100.0	4.8					9.1
10	18 years.....	100.0	71.4			100.0		100.0		100.0	83.3		14.3			100.0	
11	19 years.....	66.7	60.0			66.7	50.0		100.0	66.7							
12	20 years.....	80.0	66.7			100.0	75.0	100.0	100.0	80.0	50.0		11.1				50.0
13	21 years.....	57.1	100.0			33.3	100.0			100.0	100.0						
14	22 years.....	66.7	80.0					100.0	50.0	60.0	100.0		20.0				50.0
15	23 years.....	100.0	50.0		100.0			100.0	33.3	100.0			25.0				33.3
16	24 years.....	85.7	90.9			50.0	100.0	100.0	100.0	100.0	83.3		9.1				16.7
17	25 years.....	72.7	71.4			100.0	100.0	100.0	33.3	66.7	100.0	18.2	14.3				33.3
18	26 years.....	71.4	42.9			66.7		100.0		100.0	50.0		14.3	100.0			16.7
19	27 years.....	100.0	85.7				100.0	100.0	100.0	100.0	50.0		14.3				50.0
20	28 years.....	50.0	61.5				50.0		33.3	100.0	75.0	16.7	23.1			50.0	66.7
21	29 years.....	70.0	33.3			100.0		66.7		66.7	50.0		33.3			50.0	50.0
22	30 years.....	88.9	100.0			50.0	100.0		100.0	100.0	100.0						
23	31 years.....	83.3	66.7			100.0	100.0	100.0		100.0	66.7						
24	32 to 34 years.....	87.0	68.2			75.0	62.5	87.5	66.7	100.0	72.7	4.3	13.6			12.5	12.5
25	35 to 39 years.....	65.0	75.0			100.0	80.0	57.1	100.0	83.3	75.0	5.0					33.3
26	40 to 44 years.....	77.8	60.0			75.0	33.3	100.0	75.0	66.7	66.7						16.7
27	45 to 49 years.....	72.7	38.5			66.7	25.0	50.0	33.3	83.3	75.0	18.2	7.7			50.0	33.3
28	50 to 54 years.....	25.0	20.0			25.0		100.0		50.0							16.7
29	55 to 59 years.....	20.0	50.0			33.3	50.0		33.3	50.0							50.0
30	60 to 64 years.....		20.0						50.0		28.6						
31	65 years and over.....	12.3	15.9			5.6	13.3	10.0		26.1	35.7	2.7	2.3	8.3		5.0	11.1
32	Unknown age.....		100.0						100.0								
KANSAS, RURAL, GROUP 11. <sup>2</sup>																	
33	All ages.....	45.9	45.9	9.5	2.9	59.4	47.4	41.0	54.5	53.6	53.7	2.6	4.6		2.9	2.1	7.9
34	Under 1 year.....	21.2	28.6	20.0				50.0	50.0	27.3		3.0			100.0		50.0
35	1 year.....	50.0	20.0					100.0	100.0	100.0			40.0				9.1
36	2 years.....	100.0	75.0			100.0		100.0	100.0	100.0	100.0						
37	3 years.....	50.0	100.0				100.0		100.0			50.0					100.0
38	4 years.....	100.0								100.0							
39	5 to 9 years.....	33.3	71.4				100.0		100.0	100.0	50.0						
40	10 to 14 years.....	50.0	87.5			50.0	80.0	50.0	66.7	66.7	100.0	10.0					33.3
41	15 to 17 years.....	91.7	50.0			100.0	50.0	66.7		100.0	100.0		50.0			50.0	
42	18 years.....	100.0	100.0			100.0		100.0	100.0		100.0					100.0	
43	19 years.....	66.7	50.0			100.0				100.0							
44	20 years.....	87.5	40.0			100.0	100.0	100.0		100.0							
45	21 years.....	60.0	50.0			100.0	100.0			50.0							
46	22 years.....	75.0	50.0			50.0		100.0	50.0		50.0	25.0	16.7			50.0	
47	23 years.....	80.0	100.0			80.0	100.0		100.0		100.0						50.0
48	24 years.....	83.3	71.4			100.0		100.0	80.0		50.0						
49	25 years.....	50.0	100.0			100.0	100.0		100.0	50.0		25.0					50.0
50	26 years.....	85.7	66.7			100.0	66.7	100.0	50.0	50.0	75.0		11.1			50.0	50.0
51	27 years.....	83.3						66.7		100.0							
52	28 years.....	100.0	75.0	100.0		100.0	80.0		100.0		50.0		12.5			20.0	
53	29 years.....	100.0	100.0			100.0	100.0	100.0	100.0	100.0							
54	30 years.....	80.0	40.0			100.0	50.0	33.3	50.0	100.0		10.0	20.0			33.3	100.0
55	31 years.....	83.3	60.0			100.0	100.0	66.7		100.0	50.0						
56	32 to 34 years.....	65.0	63.2			50.0	60.0	57.1	80.0	100.0	71.4	16.0	5.3			25.0	14.3
57	35 to 39 years.....	82.4	68.4		50.0	100.0	40.0	80.0	83.3	50.0	83.3		10.5			40.0	20.0
58	40 to 44 years.....	42.9	55.6			60.0	50.0		66.7								
59	45 to 49 years.....	25.0	31.3				25.0		75.0	75.0	20.0						
60	50 to 54 years.....	20.0	22.2			66.7				66.7							
61	55 to 59 years.....	23.6	27.3			100.0			40.0	25.0	50.0		9.1				50.0
62	60 to 64 years.....		12.5				50.0										
63	65 years and over.....	12.5	19.4	9.5		11.8	11.1	10.5	30.0	20.0	29.4		1.5			5.6	
64	Unknown age.....	50.0				100.0											

<sup>1</sup> Includes the following counties: Butler, Chautauqua, Cowley, Elk, and Greenwood.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																				
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
1,229.2	1,083.8	25.5	27.6	1,132.8	1,176.2	1,502.1	856.8	2,240.9	2,245.5	87.4	169.3	76.4	55.3	80.2	152.8	304.0	123.1	240.6	1	
2,475.6	908.8			3,236.7	1,195.5	4,489.4		2,171.1	2,391.1		605.9		1,236.1			1,236.1			2	
1,890.1	1,105.2	296.6		2,295.2	872.4	2,669.6	1,202.6	2,295.2	2,326.3	145.4	294.7	296.6	300.6	290.8	296.6	300.6		290.8	3	
306.0	435.6				491.2	998.8	253.9	241.5	982.3	61.2	124.5				249.7			491.2	4	
510.2	536.9			251.7	1,324.4	1,041.0		755.1	794.6										5	
1,376.9	1,102.1			836.0	434.9	1,296.5	449.7	3,344.0	3,479.5	105.9								418.0	6	
1,202.0	1,303.5			2,371.9	643.1	613.1	1,329.7	1,778.9	3,215.3		162.9					664.9			7	
2,512.6	1,939.5			1,239.5	3,827.0	3,844.5	2,637.8	4,958.0	1,275.7		323.2							1,275.7	8	
																				9
1,805.3	1,635.9		80.4	1,599.4	1,866.8	2,029.4	1,286.8	3,562.3	3,267.0	110.5	256.2	75.2		155.6	150.3	482.5	218.1	388.9	10	
																				11
598.3	622.0			536.7	516.8	443.9	534.3	1,395.3	1,421.1	108.8	65.5	111.0			221.9	267.1	107.3		12	
	5,067.8						20,678.0													13
961.4	942.2	112.1	29.8	1,544.8	1,037.7	952.7	1,430.5	1,219.6	1,268.3	54.9	94.9		29.8	54.2	172.9	56.0	119.2	108.4	57.6	14
2,445.1	688.1	1,425.2				4,275.7	2,807.8	4,135.5		349.3								1,378.5		15
591.2	549.0			666.7	722.2	689.3	746.6	1,000.0	722.2	84.5	183.0		373.3		361.1			333.3		16
69.5	358.5				283.0		585.1	273.5	565.9											17
352.7	1,015.5			278.4	1,145.1	575.6	591.9	556.7	2,290.2	70.5								278.4		18
1,251.0	253.4			1,346.5	500.0	928.1		2,693.0	500.0		253.4			500.0		516.9				19
879.4	718.3			2,082.4		1,435.3	732.7		2,126.1											20
2,847.6	785.8			4,816.3	3,101.2	1,659.9		4,816.3												21
																				22
1,703.6	1,463.5	86.9	86.8	3,277.5	1,763.8	1,737.8	2,431.5	1,680.8	1,595.8	106.5	149.0			168.1	252.0	173.8	260.5	84.0	84.0	23
																				24
423.4	776.8	216.0		522.2	613.1	216.0	1,394.6	731.1	1,103.6		62.1			122.6				122.6		25
1,590.4				6,276.6																26

\* Includes the following counties: Anderson, Franklin, Johnson, Linn, and Miami.



TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES OF DEATH, BY AGE, SEX, AND COLOR, IN THE POPULATION IN INDIANA, KANSAS, AND PHILADELPHIA, FOR 1918

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																					
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.											
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.			
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.				
KANSAS, RURAL, GROUP 12. <sup>1</sup>																							
1	All ages.....	50.2	49.1		2.1	54.3	52.4	59.5	56.1	55.2	59.2	2.8	5.7		2.1	2.1	2.9	3.4	7.1	4.0	8.3		
2	Under 1 year.....	28.3	26.2			20.0	27.8	45.5	62.5	33.3	12.5												
3	1 year.....	56.3	50.0			33.3		71.4	100.0	75.0	66.7		7.2		50.0								
4	2 years.....	25.0	63.6					33.3	66.7		100.0												
5	3 years.....	100.0	66.7					100.0	100.0	100.0													
6	4 years.....	80.0				100.0		100.0		66.7		20.0	100.0					100.0	33.3				
7	5 to 9 years.....	75.0	55.6			66.7	57.1	100.0		77.8	66.7		11.1			14.3				11.1			
8	10 to 14 years.....	60.0	84.6			50.0	55.7	60.0	100.0	66.7	100.0	20.0						20.0	33.3				
9	15 to 17 years.....	69.2	80.0				50.0	80.0	100.0	83.3	80.0		10.0							20.0			
10	18 years.....	100.0	80.0			100.0		100.0	100.0	100.0	100.0												
11	19 years.....	88.9	20.0			100.0	50.0		66.7	100.0													
12	20 years.....	85.7	28.6			100.0		75.0	25.0		100.0		28.6						50.0				
13	21 years.....	80.0	20.0			100.0				66.7	50.0		20.0						100.0				
14	22 years.....	50.1	57.1			50.0	100.0		40.0	50.0			14.3						20.0				
15	23 years.....	62.5	85.7			50.0		50.0	100.0	100.0	100.0	12.5						50.0					
16	24 years.....	80.0	50.0			50.0		100.0		50.0		20.0	50.0		50.0					50.0			
17	25 years.....	75.0	88.9			100.0	83.3	100.0	100.0		100.0		11.1			16.7							
18	26 years.....	81.8	83.3			83.3	100.0	100.0	100.0	100.0	100.0		9.1			16.7							
19	27 years.....	50.0	87.5			50.0	100.0	100.0	100.0	100.0	75.0	16.7	12.5					100.0		25.0			
20	28 years.....	80.0	88.9			100.0	100.0	66.7	75.0	66.7	100.0	20.0							33.3				
21	29 years.....	90.0	64.3			100.0	66.7	100.0	100.0	75.0	50.0		7.1							16.7			
22	30 years.....	80.0	71.4			100.0	100.0	50.0		100.0	100.0	20.0	14.3					50.0	50.0				
23	31 years.....	87.5	60.0			100.0	50.0	100.0	50.0		100.0												
24	32 to 34 years.....	83.3	60.9			77.8	100.0	100.0	71.4	81.8	45.5		13.0					14.3		18.2			
25	35 to 39 years.....	71.8	70.0		33.3	76.5	85.7	75.0	50.0	69.2	75.0	5.1	5.0		6.9				7.7	12.5			
26	40 to 44 years.....	54.5	64.7			66.7	100.0	50.0	66.7	50.0	50.0												
27	45 to 49 years.....	35.7	36.4			33.3	50.0	25.0	33.3	50.0	100.0												
28	50 to 54 years.....	18.2	50.0			20.0		50.0	66.7		33.3												
29	55 to 59 years.....		6.3								12.5	7.1	6.3						25.0	12.5			
30	60 to 64 years.....	7.7	33.3			50.0	100.0				100.0												
31	65 years and over.....	14.5	16.1			16.7		25.0	33.3	20.0	26.7		3.6			8.3				6.7			
32	Unknown age.....																						
KANSAS, RURAL, GROUP 13. <sup>2</sup>																							
33	All ages.....	47.9	46.2		3.2	20.8	56.4	38.1	59.1	50.9	48.6	62.7	2.7	6.5		1.1		2.0	5.9	3.9	6.1	2.8	9.2
34	Under 1 year.....	26.9	22.9			35.3	8.3	42.9	28.6	11.8	50.0	5.8				5.9			7.1	6.9			
35	1 year.....	66.7	53.3			100.0	80.0	60.0	57.1	83.3			13.3						14.3		50.0		
36	2 years.....	71.4	66.7			100.0		100.0	60.0	33.3	100.0												
37	3 years.....	71.4	75.0			100.0		66.7		71.4	100.0												
38	4 years.....	66.7	60.0				100.0	100.0	50.0		100.0												
39	5 to 9 years.....	66.7	80.0			100.0	75.0	100.0	66.7	33.3	90.0		20.0					25.0	33.3		10.0		
40	10 to 14 years.....	63.2	54.5			63.6	60.0	100.0	25.0	50.0	80.0		9.1							20.0			
41	15 to 17 years.....	72.7	42.9		25.0	80.0	33.3	100.0	50.0	75.0	42.9	9.1	7.1		20.0		33.3		12.5		20.0		
42	18 years.....	50.0	57.1			75.0	50.0		100.0	75.0	33.3	25.0	14.3					66.7		25.0	33.3		
43	19 years.....	94.4	55.6			88.9	25.0	100.0	66.7	100.0	100.0		11.1			25.0							
44	20 years.....	81.8	88.9			75.0	100.0	100.0		80.0	85.7		11.1							14.3			
45	21 years.....	90.9	70.0			100.0	50.0	80.0	100.0	100.0	100.0		10.0			50.0							
46	22 years.....	100.0	80.0			100.0	100.0	100.0	66.7	100.0	80.0		10.0							20.0			
47	23 years.....	70.0	63.6			100.0		100.0	50.0	66.7	100.0												
48	24 years.....	85.7	55.6			100.0	50.0	100.0	33.3		75.0		11.1					33.3					
49	25 years.....	77.3	71.4			57.1	100.0	100.0	66.7	71.4	66.7	4.5	28.6					33.3	14.3	33.3			
50	26 years.....	87.5	100.0			100.0	100.0	66.7	100.0	100.0	100.0												
51	27 years.....	78.6	60.0			100.0	50.0	100.0		75.0	66.7		16.7							33.3			
52	28 years.....	92.9	66.7			100.0	66.7	66.7	60.0	100.0	75.0		16.7						20.0	25.0			
53	29 years.....	84.6	44.4		100.0	100.0	66.7	60.0	50.0	100.0	100.0	15.4	11.1				40.0	50.0					
54	30 years.....	88.2	44.4			100.0		80.0	75.0	100.0	50.0		22.2				50.0			50.0			
55	31 years.....	73.3	72.7			66.7	100.0	83.3	100.0	80.0	80.0		9.1							20.0			
56	32 to 34 years.....	74.4	66.7			84.6	66.7	75.0	66.7	81.8	75.0	2.6					8.3						
57	35 to 39 years.....	68.6	70.4			62.5	75.0	75.0	77.8	76.9	69.2	3.9	3.7		6.3				7.7	7.7			
58	40 to 44 years.....	60.0	30.4			69.2	22.2	66.7	25.0	58.8	50.0	2.2	8.7			7.7	22.2						
59	45 to 49 years.....	55.6	50.0			33.3		75.0	60.0	66.7	60.0	5.0							16.7				
60	50 to 54 years.....	34.6	25.0			80.0	40.3	33.3		27.3	33.3												
61	55 to 59 years.....	36.7	28.6			25.0		50.0		54.5	33.3		14.3							16.7			
62	60 to 64 years.....	26.7	16.7		25.0	33.3		57.1		15.4	33.3	3.3						14.3					
63	65 years and over.....	5.7	10.1		2.0	6.8	10.0	10.0	18.8	5.1	12.5	1.6	1.3		2.0				2.6	1.7	6.3		
64	Unknown age.....																						

<sup>1</sup> Includes the following counties: Allen, Cherokee, Neosho, Wilson, and Woodson.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																				
In luenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.										
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.		
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
961.6	877.6	19.7		1,347.7	1,046.6	1,265.0	1,082.1	1,223.6	1,351.1	53.9	101.3	19.7	53.2	57.1	73.3	137.7	88.7	190.3	1	
2,522.4	2,123.3			3,062.9	3,808.9	3,958.5	3,938.0	3,062.9	761.8										2	
820.8	793.0			571.6	195.6	1,576.0	1,213.3	1,143.2	1,760.3	48.3	39.1	202.2				202.2	190.5		3	
498.4	418.8			327.8	661.1	508.4		1,147.4	991.6		83.8			165.3				165.3	4	
264.9	508.4			174.2	1,094.5	540.5	377.2	348.5	547.2	88.3				180.2			174.2		5	
692.7	624.2			307.9	1,256.1	955.1	1,518.7	1,231.7			78.0							307.9	6	
1,626.9	572.4			1,834.4	451.8	2,844.9	467.1	1,834.4	1,355.3										7	
1,347.9	460.4			2,659.7		2,749.8	939.2		908.4		460.4						1,878.4		8	
																			9	
1,564.5	1,394.0	57.5		2,744.1	1,889.4	1,636.8	1,666.2	1,847.0	1,945.0	107.0	154.9			158.3	56.6	163.7	229.8	105.5	333.4	10
																				11
																				12
																				13
																				14
																				15
																				16
																				17
																				18
																				19
																				20
																				21
																				22
																				23
																				24
																				25
																				26
																				27
413.1	507.3			570.6	300.3	589.9	827.9	489.1	900.8	20.7	76.1			100.1			81.5	200.2		28
																				29
																				30
																				31
																				32
																				33
1,144.0	757.2	38.8	15.4	1,438.2	672.4	1,551.7	896.0	1,538.3	1,434.4	63.4	106.0	12.9		50.0	104.6	103.4	108.1	87.5	209.2	34
2,066.1	1,180.7			3,494.6	582.4	3,613.0	1,204.3	1,164.9	2,912.1	442.7				582.4		602.2		582.4		35
1,065.8	764.1			1,450.3	753.9	1,199.6	1,247.1	1,595.4	1,055.5		76.4					155.9		150.8		36
																				37
																				38
124.6	510.3			123.0	377.6	254.2	520.5	123.0	1,132.8		127.6			125.9		260.3		125.9		39
387.9	203.7			893.1	135.3	395.7	139.9	255.2	541.3		34.3							135.3		40
869.7	365.5	221.8		858.0	240.4	1,108.9	497.1	1,287.0	721.3	108.7	60.9			214.5	240.4		214.5			41
1,889.3	847.0			3,565.9	742.8	1,340.7	1,536.0	2,593.4	1,114.3	246.4	188.2			371.4	670.3		324.2	371.4		42
																				43
1,433.8	1,550.2			1,912.5	1,529.5	1,318.2		2,550.0	4,588.5		193.8							764.7		44
																				45
																				46
																				47
																				48
																				49
1,854.7	1,206.7	37.1		2,188.6	1,123.2	2,633.8	1,440.0	2,547.4	2,246.4	63.6	170.8			71.8	179.7	111.3	185.8	71.8	314.5	50
																				51
																				52
																				53
																				54
																				55
																				56
																				57
																				58
																				59
701.7	416.7	57.3	81.0	664.6	391.6	1,083.0	485.8	996.9	704.8	70.2	39.7	57.3				114.5		110.8	156.6	60
																				61
																				62
																				63
																				64

\* Includes the following counties: Atchison (excluding Atchison), Bourbon (excluding Fort Scott), Crawford (excluding Pittsburg), Douglas (excluding Lawrence), Labette (excluding Parsons), Leavenworth (excluding Leavenworth), Montgomery (excluding Coffeyville and Independence), and Reno (excluding Hutchinson).



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 1A.—PER CENT OF DEATHS FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSE IN INDIANA, KANSAS, AND PHILADELPHIA, FOR

[See note at head of this table, pp. 102, 103.]

AREA AND AGE.		PER CENT OF DEATHS BY SEX.																			
		Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
		Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
KANSAS, RURAL, GROUP 14. <sup>1</sup>																					
1	All ages.....	36.8	49.3	5.9	14.3	41.8	56.4	34.4	33.8	46.0	60.5	2.7	3.0	2.9	.....	3.0	5.5	6.3	.....	1.1	3.9
2	Under 1 year.....	20.8	11.8	.....	16.7	16.7	.....	.....	.....	50.0	16.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	1 year.....	100.0	80.0	.....	.....	100.0	75.0	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	2 years.....	100.0	66.7	.....	.....	100.0	100.0	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	3 years.....	.....	80.0	.....	.....	.....	50.0	.....	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	4 years.....	50.0	100.0	.....	.....	.....	.....	.....	.....	50.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	5 to 9 years.....	75.0	66.7	.....	.....	100.0	66.7	.....	.....	66.7	100.0	.....	16.7	.....	.....	.....	33.3	.....	.....	.....	.....
8	10 to 14 years.....	87.5	100.0	.....	.....	80.0	100.0	100.0	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	15 to 17 years.....	100.0	83.3	.....	.....	100.0	100.0	100.0	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	18 years.....	100.0	66.7	.....	.....	100.0	100.0	.....	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	19 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	20 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	21 years.....	50.0	83.3	.....	.....	.....	.....	100.0	100.0	100.0	80.0	50.0	.....	.....	.....	100.0	.....	.....	.....	.....	.....
14	22 years.....	100.0	.....	.....	.....	.....	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	23 years.....	100.0	80.0	.....	.....	100.0	50.0	.....	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	24 years.....	50.0	83.3	.....	.....	.....	66.7	.....	.....	50.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	25 years.....	.....	100.0	.....	.....	.....	100.0	.....	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	26 years.....	33.3	100.0	.....	.....	.....	.....	100.0	100.0	100.0	100.0	33.3	.....	.....	.....	.....	100.0	.....	.....	.....	.....
19	27 years.....	66.7	66.7	.....	100.0	.....	100.0	50.0	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	28 years.....	66.7	66.7	.....	.....	100.0	100.0	100.0	.....	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	29 years.....	66.7	100.0	.....	.....	100.0	100.0	.....	100.0	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	30 years.....	100.0	100.0	.....	.....	100.0	100.0	100.0	100.0	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	31 years.....	100.0	100.0	.....	.....	100.0	.....	.....	.....	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	32 to 34 years.....	60.0	75.0	.....	.....	66.7	100.0	66.7	50.0	50.0	80.0	10.0	.....	.....	.....	.....	.....	.....	25.0	.....	.....
25	35 to 39 years.....	44.4	43.8	20.0	.....	66.7	50.0	50.0	66.7	40.0	40.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	40 to 44 years.....	53.8	30.0	.....	.....	75.0	50.0	.....	16.7	80.0	33.3	.....	15.0	.....	.....	.....	25.0	.....	.....	.....	22.2
27	45 to 49 years.....	20.0	33.3	.....	.....	.....	.....	.....	33.3	40.0	40.0	10.0	.....	.....	100.0	.....	.....	.....	.....	.....	.....
28	50 to 54 years.....	18.2	54.5	.....	50.0	.....	33.3	.....	50.0	40.0	75.0	9.1	9.1	100.0	.....	.....	33.3	.....	.....	.....	.....
29	55 to 59 years.....	.....	33.3	.....	.....	.....	.....	.....	50.0	.....	.....	.....	16.7	.....	.....	.....	.....	.....	.....	.....	33.3
30	60 to 64 years.....	11.8	20.0	.....	.....	.....	33.3	.....	.....	28.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	65 years and over.....	12.5	18.2	14.3	.....	.....	12.5	14.3	.....	20.0	50.0	2.1	.....	.....	.....	.....	14.3	.....	.....	.....	.....
32	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
PHILADELPHIA, PA.																					
33	All ages.....	60.7	59.3	28.4	22.5	79.6	77.0	21.7	23.7	22.2	17.5	2.9	5.1	2.1	3.1	3.1	5.8	2.1	4.0	3.4	3.0
34	Under 1 year.....	33.3	35.1	9.5	11.9	48.6	53.5	20.3	18.4	29.0	18.9	2.5	4.2	3.7	3.6	2.7	4.7	2.4	4.3	0.6	3.9
35	1 to 4 years.....	72.5	72.8	28.0	28.0	83.3	83.8	54.6	50.0	31.8	38.9	5.4	4.9	10.7	8.0	5.2	4.7	6.1	6.5	1.5	1.4
36	1 year.....	73.1	72.3	32.4	30.4	82.1	81.5	64.4	58.1	39.3	59.4	5.2	5.8	1.4	10.9	4.3	6.0	6.7	3.2	3.6	.....
37	2 years.....	74.8	78.7	31.6	27.9	85.4	86.4	45.0	63.6	23.1	41.2	5.6	2.8	10.6	.....	5.6	2.0	5.0	9.1	.....	5.9
38	3 years.....	68.7	70.3	23.6	22.2	85.6	84.2	36.8	47.4	33.3	15.4	6.0	5.8	14.3	.....	5.6	6.1	10.5	10.6	.....	.....
39	4 years.....	69.9	66.9	16.7	22.2	81.4	85.4	60.0	25.0	14.3	.....	5.1	4.9	.....	11.1	6.9	4.9	.....	5.0	.....	.....
40	5 to 9 years.....	74.3	74.6	38.2	21.7	87.8	85.2	38.5	47.8	20.8	15.0	3.0	3.7	2.9	4.3	2.8	3.5	.....	4.3	8.3	5.0
41	10 to 14 years.....	71.8	77.4	52.6	39.1	82.6	88.0	43.5	46.7	31.3	23.1	4.2	2.9	.....	4.3	4.5	1.6	4.5	13.3	6.3	7.7
42	15 to 19 years.....	81.4	78.4	55.0	43.2	90.1	89.4	32.1	33.3	42.9	15.8	1.7	5.5	.....	4.6	1.6	4.7	5.6	18.0	4.8	.....
43	20 to 24 years.....	80.9	79.0	65.2	61.9	89.4	89.2	38.9	33.3	40.0	20.0	1.7	5.0	.....	.....	1.7	3.8	5.6	23.8	.....	.....
44	25 years.....	81.7	78.1	40.0	16.7	91.6	87.9	33.3	40.0	25.0	25.0	0.9	8.0	.....	16.7	1.1	7.8	.....	.....	.....	.....
45	19 years.....	81.9	77.4	42.9	36.4	89.8	91.3	.....	30.8	57.1	.....	2.6	3.5	.....	.....	2.0	2.9	.....	15.4	14.3	.....
46	20 years.....	84.9	76.6	62.5	46.2	91.1	85.8	80.0	.....	66.7	28.6	.....	5.7	.....	.....	.....	5.6	.....	10.0	.....	14.3
47	21 to 24 years.....	80.9	79.1	58.2	39.7	90.2	86.6	25.0	58.5	23.3	17.1	3.3	6.4	1.8	4.8	3.5	6.7	3.1	3.8	.....	4.9
48	25 years.....	79.7	76.0	55.0	40.0	89.9	84.2	40.0	62.5	33.3	9.1	4.9	6.3	5.0	.....	4.6	6.8	20.0	12.5	.....	.....
49	22 years.....	81.1	73.1	55.6	38.5	93.9	81.8	12.5	47.4	25.0	14.3	2.0	9.2	.....	.....	1.8	10.8	.....	5.3	12.5	.....
50	23 years.....	79.9	82.0	100.0	36.4	88.2	89.7	22.2	81.8	11.1	17.1	4.0	4.3	.....	9.1	4.7	3.3	.....	.....	.....	22.2
51	24 years.....	82.4	83.4	53.8	44.4	89.4	89.1	30.0	53.3	25.0	42.9	2.7	5.7	.....	5.6	3.1	6.3	.....	.....	.....	.....
52	25 to 29 years.....	86.0	82.5	64.0	55.6	93.2	88.5	53.6	30.0	31.4	27.9	2.1	6.0	0.9	1.4	1.9	6.4	3.6	5.6	5.7	3.3
53	25 years.....	85.8	80.5	45.8	47.6	94.6	88.5	44.4	33.3	33.3	30.8	1.3	6.0	4.2	.....	1.1	6.7	.....	6.7	.....	3.3
54	26 years.....	84.2	85.4	55.0	62.5	92.7	89.6	33.3	64.3	28.6	45.5	3.6	5.3	.....	.....	3.9	6.2	8.3	.....	.....	.....
55	27 years.....	86.7	79.6	70.8	41.7	93.6	88.6	72.7	29.4	27.8	21.4	1.4	6.5	.....	.....	0.1	6.8	.....	11.8	5.6	.....
56	28 years.....	88.4	79.9	72.7	60.0	94.1	85.1	53.6	54.5	50.0	17.6	1.7	8.9	.....	6.7	1.6	8.9	7.7	9.1	.....	11.8
57	29 years.....	84.6	88.6	75.0	75.0	90.9	91.7	63.6	73.3	18.8	33.3	2.4	2.0	.....	.....	1.7	2.3	.....	18.8	.....	.....
58	30 to 34 years.....	85.6	80.1	59.8	60.9	92.0	87.0	40.4	39.1	35.2	30.7	2.2	6.3	3.1	3.1	2.0	6.9	3.9	2.2	3.7	4.8
59	30 years.....	86.6	81.9	64.0	64.3	94.3	90.0	33.3	37.5	28.6	27.8	2.0	6.3	4.0	.....	1.7	6.7	8.3	6.3	7.1	5.6
60	31 years.....	89.1	78.6	73.7	52.9	93.1	86.9	60.0	33.3	33.3	9.1	3.0	7.1	.....	5.9	2.6	6.8</				

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TORY CAUSES TO TOTAL DEATHS, BY SEX AND AGE, AND THE ANNUAL DEATH RATE PER 100,000 ESTIMATED EACH MONTH FROM SEPTEMBER TO DECEMBER, 1918—Continued.

[See note at head of this table, pp. 102, 103.]

ANNUAL DEATH RATE PER 100,000 POPULATION ESTIMATED BY SEX.																			
Influenza and pneumonia (all forms), primary cause.										Influenza and pneumonia (all forms), contributory cause.									
Total for 4 months.		September.		October.		November.		December.		Total for 4 months.		September.		October.		November.		December.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
804.8	1,109.8	81.1	137.2	1,097.9	1,371.5	445.9	869.1	1,568.4	2,035.1	59.6	67.3	40.5	.....	78.4	132.7	81.1	.....	39.2	132.7
2,504.2	1,022.2	.....	2,085.5	1,976.5	.....	.....	.....	7,906.2	2,017.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
913.7	1,443.3	.....	.....	1,552.2	2,373.3	466.0	1,963.0	1,802.9	1,424.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
291.8	394.6	.....	.....	383.9	778.6	.....	.....	767.7	778.6	.....	98.6	.....	.....	389.3	.....	.....	.....	.....	.....
685.3	210.7	.....	.....	1,545.5	415.8	399.5	.....	772.6	415.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
813.4	909.4	.....	.....	642.0	2,153.3	663.8	.....	1,926.0	1,435.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
500.8	541.2	.....	.....	988.5	1,067.9	.....	.....	988.3	1,067.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
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[This table excludes the deaths of soldiers, sailors, and marines. The term "cities" indicates municipalities of 10,000 inhabitants or more in 1910, smaller places being included in the "rural districts."]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.			
	Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).					Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).			
	All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.			All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
INDIANA (TOTAL).										INDIANA—Contd.											
Total for 4 months . . . . .										November—											
September . . . . .	9,871	9,399	4,356	4,107	353	624	44.1	43.7	3.6	6.6	1 . . . . .	85	83	48	39	1	4	56.5	44.3	1.2	4.5
October . . . . .	1,486	1,313	102	63	28	40	6.9	4.8	1.9	3.0	2 . . . . .	101	78	55	38	2	4	54.5	48.7	2.0	5.1
November . . . . .	3,003	2,818	1,535	1,403	111	194	51.1	49.8	3.7	6.9	3 . . . . .	98	89	53	49	6	7	54.1	55.1	6.1	7.9
December . . . . .	2,588	2,466	1,318	1,224	106	164	50.9	49.6	4.1	6.7	4 . . . . .	76	81	42	35	1	7	55.3	43.2	1.3	8.6
September—	2,794	2,802	1,401	1,417	108	226	50.1	50.6	3.9	8.1	5 . . . . .	78	71	39	29	6	6	50.0	40.8	7.7	8.5
1 . . . . .	42	39	1				2.4				6 . . . . .	93	67	43	34	6	8	46.2	50.7	6.5	11.9
2 . . . . .	45	42			1	3			2.2	7.1	7 . . . . .	74	77	37	32	2	4	50.0	41.6	2.7	5.2
3 . . . . .	58	26	2				3.4				8 . . . . .	60	75	28	40	3	3	46.7	53.3	5.0	4.0
4 . . . . .	37	42	1	3			2.7	7.1			9 . . . . .	69	77	32	38	5	4	46.4	49.4	7.2	5.2
5 . . . . .	47	41	1				2.1				10 . . . . .	66	71	28	46	3	2	42.4	64.8	4.5	2.8
6 . . . . .	35	37	2		1	1	5.7		2.9	2.4	11 . . . . .	82	68	35	37	3	2	42.7	54.4	3.7	2.9
7 . . . . .	50	44	1	1	1		2.0	2.3	2.0		12 . . . . .	81	83	33	41	5	6	40.7	49.4	6.2	7.2
8 . . . . .	38	40		1				2.5			13 . . . . .	71	84	38	42	1	9	53.5	50.0	1.4	10.7
9 . . . . .	47	56	3	1		1	6.4	1.8		1.8	14 . . . . .	101	75	49	32	4	8	48.5	42.7	4.0	10.7
10 . . . . .	41	36	1	2	2		2.4	5.6	4.9		15 . . . . .	98	81	47	34	4	5	48.0	42.0	4.1	6.2
11 . . . . .	56	45	2	2			3.6	4.4			16 . . . . .	76	68	36	37	1	7	47.4	54.4	1.3	10.3
12 . . . . .	60	50	1	4	1		1.7	8.0	1.7		17 . . . . .	76	70	32	28	1	3	42.1	40.0	1.3	4.3
13 . . . . .	47	39	1	2	1		2.1	5.1	2.1		18 . . . . .	83	74	51	35	2	4	61.4	47.3	2.4	5.4
14 . . . . .	50	41									19 . . . . .	91	80	54	49	3	1	59.3	61.3	3.3	1.3
15 . . . . .	46	35	2	3	1		4.3	8.6	2.2		20 . . . . .	91	81	42	38	4	7	46.2	46.9	4.4	8.6
16 . . . . .	47	39	3		2	2	6.4		4.3	5.1	21 . . . . .	78	81	40	39		6	51.3	48.1		7.4
17 . . . . .	42	47			1	1					22 . . . . .	95	82	58	41	4	7	61.1	50.0	4.2	8.5
18 . . . . .	42	37	2	2	1	1	4.8	5.4	2.4	2.7	23 . . . . .	94	80	47	38	7	2	50.0	47.5	7.4	2.5
19 . . . . .	54	41	1	2			1.9	4.9			24 . . . . .	99	97	57	50	6	8	57.6	51.5	6.1	8.2
20 . . . . .	42	50	4			1	9.5			2.0	25 . . . . .	109	93	55	48	6	4	50.5	51.6	5.5	4.3
21 . . . . .	57	56	4	3	1	3	7.0	5.4	1.8	5.4	26 . . . . .	99	90	56	54	4	11	56.6	60.0	4.0	12.2
22 . . . . .	51	57	6	5		2	11.8	8.8		3.5	27 . . . . .	91	94	51	42	2	4	56.0	44.7	2.2	4.3
23 . . . . .	44	47	2	4	1	3	4.5	8.5	2.3	6.4	28 . . . . .	92	118	49	59	3	6	53.3	50.0	3.3	5.1
24 . . . . .	48	50	9	1	3	5	18.8	2.0	6.3	10.0	29 . . . . .	86	99	43	52	1	8	50.0	52.5	1.2	8.1
25 . . . . .	50	49	5	2	2	3	10.0	4.1	4.0	6.1	30 . . . . .	95	94	40	48	10	7	42.1	51.1	10.5	7.4
26 . . . . .	46	38	4	4			8.7	10.5			December—										
27 . . . . .	70	46	6	4	2	2	8.6	8.7	2.9	4.4	1 . . . . .	96	103	53	60	3	3	55.2	58.3	3.1	2.9
28 . . . . .	69	49	12	3	2	5	17.4	6.1	2.9	10.2	2 . . . . .	96	100	58	48	2	9	60.4	48.0	2.1	9.0
29 . . . . .	69	47	15	5	2		21.7	10.6	2.9		3 . . . . .	101	108	54	57	5	12	53.5	52.8	5.0	11.1
30 . . . . .	56	47	11	9	3	7	19.6	19.2	5.4	14.9	4 . . . . .	89	108	51	52	1	9	57.3	48.2	1.1	8.3
October—											5 . . . . .	108	104	62	65	4	3	57.4	62.5	3.7	2.9
1 . . . . .	69	52	11	13		2	15.9	25.0		3.9	6 . . . . .	103	112	56	58	4	14	54.4	61.8	3.9	12.5
2 . . . . .	61	67	21	17	2		29.6	25.4	2.8	1.5	7 . . . . .	98	94	49	47	5	9	50.0	50.0	5.1	9.6
3 . . . . .	64	58	11	15		2	17.2	25.9		3.4	8 . . . . .	117	110	65	61	4	10	55.6	55.5	3.4	0.1
4 . . . . .	51	52	16	18		2	31.4	34.6		3.8	9 . . . . .	112	106	64	57	4	14	57.1	53.8	3.6	13.2
5 . . . . .	71	89	19	33	4	8	26.8	37.1	5.6	9.0	10 . . . . .	86	105	41	61	6	8	47.7	58.1	7.0	7.6
6 . . . . .	73	63	22	28	4	1	30.1	44.4	5.5	1.6	11 . . . . .	92	95	55	50	3	6	59.8	52.6	3.3	6.3
7 . . . . .	71	74	30	30		6	42.3	40.5		8.1	12 . . . . .	111	112	72	59	2	12	64.9	52.7	1.8	10.7
8 . . . . .	71	72	33	32	4	6	46.5	44.4	5.6	8.3	13 . . . . .	102	103	56	61	1	4	54.9	59.2	1.0	3.9
9 . . . . .	75	80	38	35	1	6	50.7	43.8	1.3	7.5	14 . . . . .	98	106	49	57	5	7	50.0	53.8	5.1	6.6
10 . . . . .	87	94	30	49	4	10	34.5	52.1	4.6	10.6	15 . . . . .	101	85	50	43	4	9	49.5	50.6	4.0	10.6
11 . . . . .	95	105	46	60	5	4	48.4	57.1	5.3	3.8	16 . . . . .	86	98	47	47	2	5	54.7	48.0	2.3	5.1
12 . . . . .	100	93	44	34	4	9	44.0	36.6	4.0	9.7	17 . . . . .	97	77	46	32	7	14	47.4	41.6	7.2	18.2
13 . . . . .	100	76	59	40	2	7	59.0	52.6	2.0	9.2	18 . . . . .	102	93	53	45	3	10	52.0	48.4	2.9	10.8
14 . . . . .	107	97	57	44	3	9	53.3	45.4	2.8	9.3	19 . . . . .	78	85	31	47	1	4	39.7	55.3	1.3	4.7
15 . . . . .	122	119	64	58	3	8	52.5	48.7	2.5	6.7	20 . . . . .	96	90	42	46	5	6	43.8	51.1	5.2	6.7
16 . . . . .	116	107	61	58	4	8	52.6	54.2	3.4	7.5	21 . . . . .	88	86	37	38	2	4	42.0	44.2	2.3	4.7
17 . . . . .	113	111	61	61	4	7	54.0	55.0	3.5	6.3	22 . . . . .	73	80	33	35	5	4	45.2	43.8	6.8	5.0
18 . . . . .	142	97	85	58	6	5	59.9	59.8	4.2	5.2	23 . . . . .	73	58	35	30	5	5	47.9	51.7	6.8	8.6
19 . . . . .	127	100	78	58	9	7	61.4	58.0	7.1	7.0	24 . . . . .	79	68	37	33	4	3	40.8	48.5	5.1	4.4
20 . . . . .	116	109	69	58	5	5	59.5	53.2	4.3	4.6	25 . . . . .	77	62	35	26	3	9	45.5	41.9	3.9	14.5
21 . . . . .	120	116	71	72	8	7	59.2	62.1	6.7	6.0	26 . . . . .	77	74	30	36	5	3	39.0	48.6	6.5	4.1
22 . . . . .	125	100	87	59	3	9	69.6	59.0	2.4	9.0	27 . . . . .	86	80	42	32	4	7	48.8	40.0	4.7	8.8
23 . . . . .	107	114	70	76		3	65.4	66.7		2.6	28 . . . . .	78	78	23	36	4	7	29.5	46.2	5.1	9.0
24 . . . . .	119	130	71	67	3	13	59.7	51.5	2.5	10.0	29 . . . . .	72	86	30	35	2	6	41.7	40.7	2.8	7.0
25 . . . . .	95	111	60	61	6	11	63.2	55.0	6.3	9.9	30 . . . . .	64	67	24	32	2	5	37.5	47.8	3.1	7.5
26 . . . . .	98	87	51	35	4	9	52.0	40.2	4.1	10.3	31 . . . . .	58	69	21	31	1	5	36.2	44.9	1.7	7.2
27 . . . . .	103	105	55	51	6	8	50.5	48.6	5.5	7.6											
28 . . . . .	90	85	49	51	7	3	54.4	60.0	7.8	3.5											
29 . . . . .	101	104	59	60	4	6	58.4	57.7	4.0	5.8											
30 . . . . .	107	86	56	47	2	5	52.3	54.7	1.9	5.8											
31 . . . . .	91	65	51	25	4	7	56.0	38.5	4.4	10.8											

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 2.—NUMBER AND PER CENT OF DEATHS, BY SEX, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918—Continued.

[See note at head of this table, p. 152.]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				AREA, MONTH, AND DAY.	NUMBER OF DEATHS*.						PER CENT OF DEATHS BY SEX.			
	All causes.		Influenza and pneumonia (all forms).				Influenza and pneumonia (all forms).					All causes.		Influenza and pneumonia (all forms).				Influenza and pneumonia (all forms).			
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
INDIANA CITIES.																					
Total for 4 months...	4,070	3,862	2,004	1,803	125	241	49.2	46.7	3.1	6.2	INDIANA CITIES—Continued.										
September.....	566	506	57	39	14	18	10.1	7.7	2.5	3.6	November—										
October.....	1,305	1,200	743	641	43	69	56.9	53.4	3.3	5.8	1.....	42	39	26	18	.....	3	61.9	46.2	.....	7.7
November.....	1,110	1,016	629	527	36	72	56.7	51.9	3.2	7.1	2.....	45	28	33	14	.....	2	73.3	50.0	.....	7.1
December.....	1,089	1,140	575	596	32	82	52.8	52.3	2.9	7.2	3.....	46	37	29	19	2	5	63.0	51.4	4.3	13.5
September—											4.....	36	35	21	19	.....	2	58.3	54.3	.....	5.7
1.....	16	14	1	.....	.....	.....	6.3	.....	.....	.....	5.....	34	26	19	11	3	5	55.9	42.3	8.8	19.2
2.....	19	18	.....	.....	.....	1	.....	.....	.....	5.6	6.....	32	27	18	16	1	2	56.3	59.3	3.1	7.4
3.....	15	6	.....	.....	.....	.....	.....	.....	.....	.....	7.....	25	40	11	15	1	3	44.0	37.5	4.0	7.5
4.....	15	20	.....	1	.....	.....	.....	5.0	.....	.....	8.....	29	24	16	13	3	2	55.2	54.2	10.3	8.3
5.....	13	14	1	.....	.....	.....	7.7	.....	.....	.....	9.....	32	28	15	13	.....	.....	46.9	46.4	.....	.....
6.....	19	14	2	.....	1	.....	10.5	.....	5.3	.....	10.....	25	27	10	17	2	1	40.0	63.0	8.0	3.7
7.....	16	16	1	.....	.....	.....	6.3	.....	.....	.....	11.....	28	24	11	13	1	.....	39.3	54.2	3.6	.....
8.....	13	23	.....	.....	.....	.....	.....	.....	.....	.....	12.....	34	36	18	16	1	2	52.9	44.4	2.9	5.6
9.....	17	23	2	.....	.....	.....	11.8	.....	.....	.....	13.....	30	34	17	17	.....	4	56.7	50.0	.....	11.8
10.....	12	14	1	2	.....	.....	8.3	14.3	.....	.....	14.....	38	34	22	14	.....	3	57.9	41.2	.....	8.8
11.....	24	18	1	2	.....	.....	4.2	11.1	.....	.....	15.....	38	39	23	13	1	.....	60.5	33.3	2.6	5.4
12.....	25	16	1	4	1	.....	4.0	25.0	4.0	.....	16.....	31	27	13	13	1	3	41.9	48.1	3.2	11.1
13.....	23	14	2	1	.....	.....	14.3	4.3	.....	.....	17.....	36	25	18	10	.....	.....	50.0	40.0	.....	.....
14.....	19	18	.....	.....	.....	.....	.....	.....	.....	.....	18.....	39	31	28	17	.....	1	71.8	54.8	.....	3.2
15.....	12	13	.....	3	1	.....	23.1	8.3	.....	.....	19.....	42	33	26	22	2	.....	61.9	66.7	4.8	.....
16.....	23	13	3	.....	1	.....	13.0	.....	4.3	.....	20.....	36	35	18	17	2	2	50.0	48.6	5.6	5.7
17.....	23	21	.....	.....	1	.....	.....	4.3	.....	.....	21.....	41	29	23	17	.....	1	56.1	58.6	.....	3.4
18.....	18	14	2	1	1	.....	11.1	7.1	5.6	.....	22.....	45	40	30	24	2	2	66.7	60.0	4.4	5.0
19.....	22	10	.....	.....	.....	.....	.....	.....	.....	.....	23.....	44	38	27	22	.....	.....	61.4	57.9	4.5	.....
20.....	9	16	1	.....	.....	.....	11.1	.....	.....	.....	24.....	43	47	26	22	1	8	60.5	46.8	2.3	17.0
21.....	26	30	2	3	.....	3	7.7	10.0	.....	10.0	25.....	54	40	27	22	4	2	50.0	55.0	7.4	5.0
22.....	17	24	3	4	.....	1	17.6	16.7	.....	4.2	26.....	42	40	22	32	2	8	52.4	80.0	4.8	20.0
23.....	20	14	2	1	1	.....	10.0	7.1	5.0	7.1	27.....	37	34	25	17	.....	2	67.6	50.0	.....	5.9
24.....	20	21	8	1	2	3	40.0	4.8	10.0	14.3	28.....	38	40	21	20	1	3	55.3	50.0	2.6	7.5
25.....	17	20	1	.....	.....	.....	5.9	.....	5.0	.....	29.....	35	35	21	19	1	2	60.0	54.3	2.9	5.7
26.....	12	18	.....	2	.....	.....	16.7	11.1	.....	.....	30.....	33	44	15	25	3	2	45.5	56.8	9.1	4.5
27.....	24	11	2	3	1	1	8.3	27.3	4.2	9.1	December—										
28.....	23	27	4	3	1	4	17.4	11.1	4.3	14.8	1.....	43	48	29	25	1	1	67.4	52.1	2.3	2.1
29.....	28	15	9	2	1	.....	32.1	13.3	3.6	.....	2.....	39	41	24	17	1	6	61.5	41.5	2.6	14.6
30.....	26	22	8	5	1	3	30.8	22.7	3.8	13.6	3.....	43	44	20	25	1	4	46.5	56.8	2.3	9.1
October—											4.....	35	48	19	21	.....	3	54.3	43.8	.....	6.3
1.....	26	26	4	8	.....	1	15.4	30.8	.....	3.8	5.....	43	42	29	28	1	2	67.4	66.7	2.3	4.8
2.....	31	24	9	7	.....	1	29.0	29.2	.....	4.2	6.....	32	40	18	21	.....	4	56.3	52.5	.....	10.0
3.....	35	20	7	7	.....	.....	20.0	35.0	.....	.....	7.....	38	39	16	16	2	4	42.1	41.0	5.3	10.3
4.....	22	21	8	7	.....	1	36.4	33.3	.....	4.8	8.....	55	46	27	24	2	5	49.1	52.2	3.6	10.9
5.....	31	48	11	16	.....	6	35.5	33.3	.....	12.5	9.....	48	44	29	25	4	4	60.4	56.8	8.3	9.1
6.....	27	29	11	14	.....	.....	40.7	48.3	.....	.....	10.....	34	47	20	28	2	3	58.8	59.6	5.9	6.4
7.....	24	32	12	11	.....	1	50.0	34.4	.....	3.1	11.....	44	38	28	22	3	3	63.6	57.9	6.8	7.9
8.....	30	31	15	15	2	2	50.0	48.4	6.7	6.5	12.....	51	41	38	25	.....	5	74.5	61.0	.....	12.2
9.....	33	29	20	14	1	.....	60.6	48.3	3.0	.....	13.....	34	46	21	33	.....	2	61.8	71.7	.....	4.3
10.....	35	29	13	16	3	3	37.1	55.2	8.6	10.3	14.....	41	43	25	22	.....	1	61.0	51.2	.....	2.3
11.....	43	51	24	33	1	1	55.8	64.7	2.3	2.0	15.....	33	34	17	17	1	3	51.5	50.0	3.0	8.8
12.....	49	35	26	10	2	4	53.1	28.6	4.1	11.4	16.....	33	47	18	21	1	1	54.5	44.7	3.0	2.1
13.....	43	39	27	22	.....	3	62.8	56.4	.....	7.7	17.....	42	33	23	15	2	6	54.8	45.5	4.8	18.2
14.....	51	38	35	20	.....	2	68.6	52.6	.....	5.3	18.....	43	37	24	20	.....	2	55.8	54.1	.....	5.4
15.....	57	51	34	26	1	2	59.6	51.0	1.8	3.9	19.....	32	40	13	24	.....	3	40.6	60.0	.....	7.5
16.....	48	50	30	32	1	2	62.5	64.0	2.1	4.0	20.....	36	35	18	18	1	2	50.0	51.4	2.8	5.7
17.....	42	48	25	28	1	2	59.5	58.3	2.4	4.2	21.....	43	39	20	20	1	2	46.5	51.3	2.3	5.1
18.....	59	46	36	30	3	2	61.0	65.2	5.1	4.3	22.....	24	34	11	13	1	1	45.8	38.2	4.2	2.9
19.....	50	39	33	25	4	5	66.0	64.1	8.0	12.8	23.....	30	21	17	14	2	1	56.7	66.7	6.7	4.8
20.....	53	46	30	23	3	3	56.6	50.0	5.7	6.5	24.....	31	15	18	8	1	.....	58.1	53.3	3.2	.....
21.....	57	62	35	35	4	6	61.4	56.5	7.0	9.7	25.....	25	25	10	11	.....	2	40.0	44.0	.....	8.0
22.....	55	38	42	23	1	2	76.4	60.5	1.8	5.3	26.....	26	33	7	17	3	3	26.9	51.5	11.5	9.1
23.....	53	52	41	38	.....	1	77.4	73.1	.....	1.9	27.....	35	33	19	12	1	2	54.3	36.4	2.9	6.1
24.....	52	51	35	28	1	4	67.3	54.9	1.9	7.8	28.....	26	29	4	16	.....	3	15.4	55.2	.....	10.3
25.....	37	50	25	30	2	2	67.6	60.0	5.4	4.0	29.....	14	33	4	16	.....	1	28.6	48.5	.....	3.0
26.....	48	35	29	16	3	4	60.4	45.7	6.3	11.4	30.....	17	24	5	8	1	2	29.4	33.3	5.9	8.3
27.....	47	42	25	22	2	2	53.2	52.4	4.3	4.8	31.....	19	21	4	14	.....	1	21.1	66.7	.....	4.8
28.....	39	31	19	23	5	2	48.7	74.2	12.8	6.5											
29.....	45	48	28	31	1	1	62.2	64.6	2.2	2.1											
30.....	49	34	33	20	1	2	67.3	58.8	2.0	5.9											
31.....	49	34	25	11	1	2	61.8	44.0	2.9	8.0											



TABLE 2.—NUMBER AND PER CENT OF DEATHS, BY SEX, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918—Continued.

[See note at head of this table, p. 152.]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.											
	Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).					Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).											
	All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.			All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.									
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.										
INDIANA RURAL DISTRICTS.										INDIANA RURAL DISTRICTS—Cont.																			
Total for 4 months...										November—																			
September	5,801	5,537	2,352	2,304	228	383	40.5	41.6	3.9	6.9	1.	43	49	22	21	1	1	51.2	42.9	2.3	2.0								
October	920	807	45	24	14	22	4.9	3.0	1.5	2.7	2.	56	50	22	24	2	2	39.3	48.0	3.6	4.0								
November	1,098	1,618	792	762	68	125	46.6	47.1	4.0	7.7	3.	52	52	24	30	4	2	46.2	57.7	7.7	3.8								
December	1,478	1,450	689	697	70	92	46.6	48.1	4.7	6.3	4.	40	46	21	16	1	5	52.5	34.8	2.5	10.9								
	1,705	1,662	826	821	76	114	48.4	49.4	4.5	8.7	5.	44	45	20	18	3	1	45.5	40.0	6.8	2.2								
September—										December—																			
1.	26	25									6.	61	40	25	18	5	6	41.0	45.0	8.2	15.0								
2.	24				1	2			3.9	8.3	7.	49	37	26	17	1	1	53.1	15.9	2.0	2.7								
3.	43	20	2				4.7				8.	31	51	12	27	1	1	38.7	52.9		2.0								
4.	22	22	1	2			4.5	9.1			9.	37	49	17	25	5	4	45.9	51.0	13.5	8.2								
5.	34	27								3.7	10.	41	44	18	29	1	1	43.9	65.9	2.4	2.3								
6.	16	23				1					11.	54	44	24	21	2	2	44.4	51.5	3.7	4.5								
7.	34	28			1	1		3.6	2.9		12.	47	47	15	25	4	4	31.9	53.2	8.5	8.5								
8.	25	28			1			3.6			13.	41	50	21	25	1	5	51.2	50.0	2.1	10.0								
9.	30	33	1	1		1	3.3	3.0	3.0		14.	63	41	27	18	4	5	42.9	43.9	6.3	12.2								
10.	29	22			2				6.9		15.	60	42	21	21	3	3	40.0	50.0	5.0	7.1								
11.	32	27	1				3.1				16.	45	41	23	24		4	51.1	58.5		9.8								
12.	35	34									17.	40	45	14	18	1	3	35.0	40.0	2.5	6.7								
13.	24	25	1				4.2				18.	41	43	23	18	2	3	52.3	41.9	4.5	7.0								
14.	31	23									19.	49	47	28	27	1	1	57.1	57.4	2.0	2.1								
15.	34	22	2				5.9				20.	55	46	21	21	2	5	43.6	45.7	3.6	10.9								
16.	24	26			1	2			4.2	7.7	21.	37	52	17	22		5	45.9	42.3		9.6								
17.	19	26								3.8	22.	50	42	28	17	2	5	56.0	40.5	4.0	11.9								
18.	24	23				1		4.3	4.3		23.	50	42	20	16	5	2	40.0	38.1	10.0	4.8								
19.	32	31	1	2			3.1	6.5			24.	56	50	31	28	5		55.1	56.0	8.9									
20.	33	34	3			1	9.1		2.9		25.	55	53	28	26	2	2	50.9	49.1	3.6	3.8								
21.	31	26	2		1		6.5		3.2		26.	57	50	34	22	2	3	59.6	44.0	3.5	6.0								
22.	34	33	3	1		1	8.8	3.0	3.0		27.	54	60	26	25	2	2	48.1	41.7	3.7	3.3								
23.	24	33		3		2		9.1		6.1	28.	54	78	28	39	2	3	51.9	50.0	3.7	3.8								
24.	28	29	1		1	2	3.6		3.6	6.9	29.	51	61	22	33		6	43.1	51.6		9.4								
25.	33	29	4	2	2	2	12.1	6.9	6.1	6.9	30.	62	50	25	23	7	5	40.3	46.0	11.3	10.0								
26.	34	20	2	2			5.9	10.0			December—																		
27.	46	35	4	1	1	1	8.7	2.9	2.2	2.9	1.	53	55	24	35	2	2	45.3	63.6	3.8	3.6								
28.	46	22	8		1	1	17.4		2.2	4.5	2.	57	59	34	31	1	3	59.6	52.5	1.8	5.1								
29.	41	32	6	3	1		14.6	9.4	2.4		3.	58	64	34	32	4	8	58.6	50.0	6.9	12.5								
30.	30	25	3	4	2	4	10.0	16.0	6.7	16.0	4.	54	60	32	31	1	6	59.3	51.7	1.9	10.0								
October—										1.										53	55	24	35	2	2	45.3	63.6	3.8	3.6
1.	43	26	7	5		1	16.3	19.2		3.8	2.	57	59	34	31	1	3	59.6	52.5	1.8	5.1								
2.	40	43	12	10		2	30.0	23.3	5.0		3.	58	64	34	32	4	8	58.6	50.0	6.9	12.5								
3.	29	38	4	8			1	27.6	35.5		4.	54	60	32	31	1	6	59.3	51.7	1.9	10.0								
4.	40	41	8	11	4	2	20.0	41.5	10.0	4.9	5.	65	62	33	37	3	1	50.8	59.7	4.6	1.6								
5.	46	34	11	14	4	1	23.9	41.2	8.7	2.9	6.	71	72	38	37	4	10	53.5	51.4	5.6	13.9								
6.	47	42	18	19			5	38.3	45.2	11.9	7.	60	55	33	31	3	5	55.0	56.4	5.0	9.1								
7.	41	41	18	17	2	4	43.9	41.5	4.9	9.8	8.	62	64	38	37	2	5	61.3	57.8	3.2	7.8								
8.	42	51	18	21		6	42.9	41.2		11.8	9.	61	62	35	32		10	54.7	51.6		16.1								
9.	52	65	17	33	1	7	32.7	50.8	1.9	10.8	10.	62	64	38	37	2	5	61.3	57.8	3.2	7.8								
10.	52	54	22	27	4	3	42.3	50.0	7.7	5.6	11.	64	62	35	32		10	54.7	51.6		16.1								
11.	51	58	18	24	2	5	35.3	41.4	3.9	8.6	12.	52	58	21	33	4	5	40.4	56.9	7.7	8.6								
12.	57	37	32	18	2	4	56.1	48.6	3.5	10.8	13.	48	57	27	28		3	56.3	49.1		5.3								
13.	56	59	22	24	3	7	39.3	40.7	5.4	11.9	14.	60	71	31	34	2	7	56.7	47.9		9.9								
14.	65	68	30	32	2	6	46.2	47.1	3.1	8.8	15.	68	57	35	28	1	2	51.5	49.1	1.5	3.5								
15.	68	57	31	26	3	6	45.6	45.6	4.4	10.5	16.	57	63	24	35	5	6	42.1	55.6	8.8	9.5								
16.	71	63	36	33	3	5	50.7	52.4	4.2	7.9	17.	68	51	33	26	3	6	48.5	51.0	4.4	11.8								
17.	83	51	49	28	3	3	59.0	54.9	3.6	5.9	18.	53	51	29	26	1	4	54.7	51.0	1.9	7.8								
18.	77	61	45	33	5	2	58.4	54.1	6.5	3.3	19.	55	44	23	17	5	8	41.8	38.6	9.1	18.2								
19.	63	63	39	35	2	2	61.9	55.6	3.2	3.2	20.	59	56	29	25	3	8	49.2	44.6	5.1	14.3								
20.	63	54	36	37	4	1	57.1	68.5	6.3	1.9	21.	46	45	18	23	1	1	39.1	51.1	2.2	2.2								
21.	70	62	45	36	2	7	64.3	58.1	2.9	11.3	22.	60	55	24	28	4	4	40.0	50.9	6.7	7.3								
22.	54	62	29	38		2	53.7	61.3		3.2	23.	45	47	17	18	1	2	37.8	38.3	2.2	4.3								
23.	67	79	36	39	2	9	53.7	49.4	3.0	11.4	24.	49	46	22	22	4	3	44.9	47.8	8.2	6.5								
24.	58	61	35	31	4	9	60.3	50.8	6.9	14.8	25.	43	37	18	16	3	4	41.9	43.2	7.0	10.8								
25.	50	52	22	19	1	5	44.0	36.5	2.0	9.6	26.	48	53	19	25	3	3	39.6	47.2	6.3	5.7								
26.	62	63	30	29	4	6	48.4	46.0	6.5	9.5	27.	51	47	23	19	2	5	45.1	53.7	3.9									
27.	51	54	30	28	2	1	58.8	51.9	3.9	1.9	28.	52	49	19	20	4	4	36.5	40.8	7.7	8.2								
28.	56	56	31	29	3	5	55.4	51.8	5.4	8.9	29.	58	53	26	19	2	5	44.8	35.8	3.4	9.4								
29.	58	52	23	27	1	3	39.7	51.9	1.7	5.8	30.	47	43	19	21	1	3	40.4	55.8	2.1	7.0								
30.	57	40	30	14	3	5	52.6	35.0	5.3	12.5	31.	39	48	17	17	1	4	43.6	35.4	2.6	8.3								

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[See note at head of this table, p. 152.]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				
	Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).				
	All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.		
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
INDIANAPOLIS, IND.											
Total for 4 months.....	1,012	1,080	459	486	37	51	44.0	45.0	3.6	4.7	
September.....	172	144	19	12	2	6	11.0	8.3	1.2	4.2	
October.....	350	354	192	187	13	13	54.9	52.8	3.7	3.7	
November.....	293	295	153	112	12	12	52.2	48.1	4.1	6.1	
December.....	227	287	95	115	10	14	41.9	50.5	4.4	4.9	
September—											
1.....	3	5									
2.....	8	4									
3.....	6	3									
4.....	5	7		1				14.3			
5.....	5	1					20.0				
6.....	8	2		2			25.0				
7.....	3	1									
8.....	5	9									
9.....	4	3		1			25.0				
10.....	6	5									
11.....	4	5									
12.....	9	3						20.0			
13.....	8	5		1							
14.....	5	6						50.0	12.5		
15.....	8	4		2	1						
16.....	6	4		1			16.7				
17.....	6	9									
18.....	4	6									
19.....	6	2									
20.....	4	1		1			25.0				
21.....	5	5									
22.....	3	4		1	2		33.3	50.0		25.0	
23.....	5	3			1	1			20.0	33.3	
24.....	6	4		4		2	66.7			33.3	
25.....	5	4								25.0	
26.....	7	6		2				33.3			
27.....	6	4		1	1		16.7	25.0			
28.....	8	13		2	1	1	25.0	7.7		7.7	
29.....	5	5					25.0				
30.....	7	7		3	2		42.9	28.6			
October—											
1.....	7	4			1	1		25.0		25.0	
2.....	11	6		3			27.3				
3.....	10	8		2			20.0	25.0			
4.....	5	7		1	2		20.0	28.6			
5.....	11	16		3	5	1	27.3	31.3		6.3	
6.....	8	8		3	2		37.5	25.0			
7.....	6	7		3	4		50.0	57.1			
8.....	7	12		2	4	1	28.6	33.3	14.3		
9.....	12	11		7	4	1	58.3	36.4	8.3		
10.....	12	7		6	4		50.0	57.1			
11.....	10	16		5	10	1	50.0	62.5	10.0		
12.....	17	7		10			58.8				
13.....	18	13		12	9	1	66.7	69.2		7.7	
14.....	14	10		9	6		64.3	60.0			
15.....	14	15		11	9		78.6	60.0			
16.....	14	14		9	8	1	64.3	57.1	7.1		
17.....	10	14		3	11		30.0	78.6			
18.....	16	19		15	12	2	93.8	63.2		10.5	
19.....	14	12		11	9	1	78.6	75.0	7.1	16.7	
20.....	8	13		7	5		87.5	38.5			
21.....	12	20		7	12	1	58.3	60.0	8.3	10.0	
22.....	9	10		6	3		66.7	30.0			
23.....	11	14		7	11		63.6	78.6			
24.....	20	13		11	9	1	55.0	69.2	5.0	7.7	
25.....	12	13		9	9		75.0	69.2		7.7	
26.....	10	9		5	2	1	50.0	22.2	10.0	11.1	
27.....	14	12		7	7	1	50.0	58.3	7.1		
28.....	12	11		4	9	3	33.3	81.8	25.0		
29.....	8	14		4	8		50.0	57.1			
30.....	11	11		7	7	1	63.6	63.6		9.1	
31.....	7	8		3	3		42.9	37.5		12.5	

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				
	Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).				
	All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.		
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
INDIANAPOLIS, IND.—continued.											
November—											
1.....	13	6	8	4					61.5	66.7	
2.....	9	6	6	3					66.7	50.0	
3.....	11	8	5	4		2			45.5	50.0	25.0
4.....	9	13	4	7					44.4	53.8	
5.....	6	7	2	2		2			33.3	28.6	28.6
6.....	8	8	4	4					50.0	50.5	
7.....	7	11	3	2	1				42.9	18.2	14.3
8.....	10	10	5	6		1			50.0	60.0	
9.....	6	8	2	3					33.3	37.5	
10.....	8	11	2	7		1			25.0	63.6	9.1
11.....	6	5	3	1					60.0	16.7	
12.....	9	7	5	3					55.6	42.9	
13.....	7	8	5	5					71.4	62.5	
14.....	12	10	5	4		1			41.7	40.0	10.0
15.....	12	16	8	7	1	1			66.7	43.8	8.3
16.....	6	6	2	1					33.3	16.7	
17.....	11	11	4	5					36.4	45.5	
18.....	10	10	8	5		1			80.0	50.0	10.0
19.....	11	10	5	8					45.5	80.0	
20.....	10	12	5	3					50.0	25.0	
21.....	9	5	5	3					55.6	60.0	
22.....	6	13	2	9	1	1			33.3	69.2	16.7
23.....	14	12	8	7	2				57.1	58.3	14.3
24.....	18	19	11	8	1	3			61.1	42.1	5.6
25.....	18	10	10	7	2				55.6	70.0	11.1
26.....	13	11	7	4	1	4			53.8	36.4	7.7
27.....	9	15	6	6					66.7	40.0	
28.....	7	9	4	5		1			57.1	55.6	11.1
29.....	10	6	6	1	1				60.0	16.7	10.0
30.....	8	12	6	6	1				75.0	50.0	12.5
December—											
1.....	6	16	3	9	1				50.0	56.3	16.7
2.....	7	7	2	2	1				28.6	28.6	14.3
3.....	9	10	2	7		1			22.2	70.0	
4.....	8	12	5	8					62.5	66.7	
5.....	6	11	6	9					100.0	81.8	
6.....	8	10	3	6		1			37.5	60.0	10.0
7.....	7	12	2	5					28.6	41.7	
8.....	15	17	7	8		3			46.7	47.1	17.6
9.....	13	10	6	7	2				46.2	70.0	15.4
10.....	8	6	2	3					25.0	50.0	
11.....	12	6	7		2				58.3		16.7
12.....	7	7	4	5					57.1	71.4	
13.....	4	10	2	6					50.0	60.0	
14.....	5	12	1	6					20.0	50.0	
15.....	8	8	4	4					50.0	50.0	
16.....	9	8	1	3	1				11.1	37.5	11.1
17.....	6	7	4		2				66.7	14.3	28.6
18.....	6	5	3	3					50.0	60.0	
19.....	9	2	3	2					33.3	100.0	
20.....	4	10	1	5					25.0	50.0	
21.....	6	12	1	6		1			16.7	50.0	16.7
22.....	7	8	3	4					42.9	50.0	
23.....	5	6	3	4					60.0	66.7	
24.....	9	3	5	2	1				55.6	66.7	11.1
25.....	5	5	1	3		1			20.0	60.0	20.0
26.....	4	16	2	9					50.0	56.3	6.3
27.....	10	13	5	4	1	1			50.0	30.8	10.0
28.....	6	13	2	6		2			33.3	46.2	15.4
29.....	6	12	2	4					33.3	33.3	
30.....	6	10	2	3		1			33.3	30.0	10.0
31.....	6	3	1	3		1			16.7	33.3	33.3



[See note at head of this table, p. 152.]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				
	All causes.						Influenza and pneumonia (all forms).					All causes.						Influenza and pneumonia (all forms).				
	Primary cause.		Contributory cause.		Primary cause.		Contributory cause.		Primary cause.			Contributory cause.		Primary cause.		Contributory cause.						
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.					
KANSAS (TOTAL).										KANSAS—Contd.												
Total for 4 months..										November—												
September..	5,804	5,089	2,908	2,481	166	255	49.3	48.8	2.8	5.0	1.	61	56	35	35	2	2	57.4	62.5	3.3	3.6	
October..	1,797	1,500	989	789	42	64	55.0	52.6	2.3	4.3	2.	61	67	38	34	2	3	62.3	50.7	3.3	4.5	
November..	1,500	1,251	784	605	52	73	52.3	48.4	3.5	6.2	3.	68	47	39	22	2	2	57.4	46.8	2.9	4.3	
December..	1,891	1,729	1,098	1,056	61	101	58.1	61.1	3.2	5.8	4.	63	44	39	20	1	3	61.9	45.5	1.6	6.8	
September—																						
1.	19	26	1				5.3					58	39	30	18	4	4	51.7	46.2	6.9	10.3	
2.	16	18		1				5.6				66	41	38	25	3	4	57.6	61.0	4.5		
3.	21	5										55	42	35	24	2	4	63.6	57.1	3.6	9.5	
4.	19	12			1				5.3			54	47	34	28		1	63.0	59.6		2.1	
5.	27	17	1				3.7					50	38	27	22	2	2	54.0	57.9	4.0		
6.	21	20	1	1			4.8	5.0				60	34	33	16		3	55.0	47.1		8.8	
7.	22	28	1	2			4.5	7.1				49	37	19	16	1		38.8	43.2	2.0		
8.	26	16										53	45	29	23	2	3	54.7	51.1	3.8	6.7	
9.	23	25	3	1			13.0	4.0				52	40	27	17	1	1	51.9	42.5	1.9	2.5	
10.	25	28	1									48	30	31	12	3	3	64.6	40.0	6.3	10.0	
11.	27	14	3		1		11.1		3.7			33	39	19	22	2	2	50.0	56.4	5.3	5.1	
12.	28	23										32	42	9	19		2	28.1	45.2		4.8	
13.	28	22	1		1		3.6		3.6			37	33	17	13	2	2	45.9	39.4	5.4	6.1	
14.	26	26	1	1	2	6.3	3.8		7.7			43	41	23	20	1	3	53.5	48.8	2.3	7.3	
15.	24	20	1	1	1	4.2	5.0	4.2	5.0			30	33	13	16	1	3	43.3	48.5	3.3	9.1	
16.	22	18	2		2	8.3			10.0			38	33	19	10	1	1	50.0	30.3	2.6	3.0	
17.	22	20	1	1			4.5	5.6				55	34	28	16			50.9	47.1			
18.	27	19	1	3		1	3.7	15.8		5.3		42	46	19	15	2	4	45.2	32.6	4.8	8.7	
19.	22	27	1		1	4.5						43	40	18	20		2	41.9	50.0		5.0	
20.	22	14	1	1		8.3	7.1					51	41	25	20		3	49.0	48.8		7.3	
1.	22	27	1		1	4.5						46	35	24	15	2	4	52.2	42.9	4.3	11.4	
2.	27	19	1	3		1	3.7	15.8		5.3		46	42	20	16	2	6	43.5	38.1	4.3	14.3	
3.	22	27	1		1	4.5			4.5	3.7		49	39	26	19	4	1	53.1	48.7	8.2	2.6	
4.	12	14	1	1		8.3	7.1					41	42	17	19	1	4	41.5	45.2	2.4	9.5	
5.	28	19	2		1	7.1		3.6				54	55	21	33	5	6	38.9	60.0	9.3	10.9	
6.	28	23	3	2	2	10.7	7.1	7.1	7.1			57	49	32	20	4	6	56.1	40.8	7.0	12.2	
7.	28	23	1	2		3.6	8.7					December—										
8.	28	23	1	2		6.3	20.0	6.3				1.	66	56	31	34	1	3	47.0	60.7	1.5	5.4
9.	26	16	1	4	1	3.2		3.2				2.	61	58	32	36	1	4	52.5	62.1	1.6	6.9
10.	31	15	1		1	3.2		3.2				3.	52	71	31	41		4	59.6	57.7		5.6
11.	36	23	4	3		11.1	13.0		4.3			4.	61	78	42	49	1	5	68.9	62.8	1.6	6.4
12.	27	21	1	5	1	3.7	20.8	3.7	4.2			5.	79	73	51	55	2	5	64.6	75.3	2.5	6.8
13.	35	19	3	3		8.6	15.8		5.3			6.	72	67	50	48	2	5	69.4	71.6	2.8	7.5
1.	25	15	1	2	1	4.0	13.3	4.0	6.7			7.	81	74	44	48	5	7	54.3	64.9	6.2	9.1
2.	23	29	5	9		21.7	31.0					8.	91	67	59	50	3	7	64.8	74.6	3.3	9.0
3.	24	27	4	4		11.8	14.8					9.	67	83	50	49	3	1	74.6	59.0	4.5	1.2
4.	33	28	8	5	1	24.2	17.9	3.0				10.	96	70	69	46	3	4	71.9	65.7	3.1	5.7
5.	34	30	9	6	2	26.5	20.0	5.9	3.3			11.	73	60	41	45	3	1	56.2	75.0	4.1	1.7
6.	46	30	14	3	1	29.2	10.0	2.1	3.3			12.	70	70	40	38	5	5	57.1	54.3	7.1	7.1
7.	48	18	14	7		30.4	38.9					13.	78	61	45	45	7	4	50.7	73.8	2.8	5.1
8.	37	35	11	8	1	29.7	22.9	2.7				14.	71	79	39	53	2	4	67.1	67.1	3.9	9.0
9.	49	41	18	17	1	36.7	41.5	2.0	4.9			15.	76	73	51	48	3	7	67.2	60.3	4.5	4.8
10.	40	40	17	19	1	42.5	47.5	2.5	2.5			16.	67	63	45	38	3	3	60.6	62.1	1.4	10.3
11.	44	51	22	27	1	50.0	52.9	2.3	3.9			17.	71	58	43	36	1	6	66.7	60.4		4.8
12.	53	51	31	28		58.5	51.9		2.0			18.	66	62	44	43		3	61.2	54.7		3.8
13.	49	38	34	17	1	69.4	42.1	2.0	2.6			19.	67	53	41	29	2	2	67.3	52.8	2.0	1.3
14.	62	44	42	25		67.7	56.8		2.2			20.	49	53	33	28	1	6	54.0	38.5	4.0	10.3
15.	62	43	34	22		54.8	51.2		7.0			21.	50	39	27	15	2	4	53.7	42.5		2.5
16.	67	64	40	37	1	59.7	57.8	1.5	1.6			22.	41	40	22	17		1	37.0	60.5	4.3	7.9
17.	67	56	55	33	2	63.2	58.9	2.3	3.6			23.	46	38	17	23	2	3	63.6	47.2	9.1	5.6
18.	85	50	55	29	2	64.7	58.0	2.4	2.0			24.	42	39	24	23	1	1	57.1	59.0	2.4	2.6
19.	83	68	57	43	3	68.7	63.2	3.6	2.9			25.	47	35	19	21	1	3	40.4	60.0	2.1	8.6
20.	67	74	44	46	1	65.7	62.2	1.5	6.8			26.	66	34	30	18	3	1	45.5	52.9	4.5	2.9
21.	86	65	58	40	2	67.4	61.5	2.3	6.2			27.	45	36	20	20			44.4	55.6		
22.	95	71	67	48	3	70.5	67.6	3.2	7.0			28.	35	37	12	17			34.3	45.9		
23.	70	60	45	33	4	64.3	55.0	5.7	8.3			29.	38	34	16	11	1		42.1	32.4	2.6	
24.	80	51	49	28		61.3	54.9		7.8			30.	34									
25.	66	68	38	42	2	57.6	61.8	3.0	4.4			31.	34	32	12	15		1	35.3	46.9		3.1
26.	81	68	54	45	3	64.3	66.2	3.6	2.9													
27.	62	68	36	42	3	58.1	61.8	4.8	7.4													
28.	63	64	40	36	2	63.5	56.3	3.2	1.6													
29.	60	64	33	38	3	55.0	59.4	5.0	10.9													
30.	55	47	30	26	1	54.5	55.3	1.8	4.3													
31.	48	42	24	24		50.0	57.1		2.4													

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[See note at head of this table, p. 152.]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.			
	Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).					Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).			
	All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.			All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
KANSAS CITIES.										KANSAS CITIES—Con.											
Total for 4 months.....										November—											
September.....	1,521	1,419	802	736	37	46	52.7	51.9	2.4	3.2	1.....	13	18	7	12	1	.....	53.8	66.7	7.7	.....
October.....	170	162	13	9	3	1	7.6	5.6	1.8	0.6	2.....	17	22	12	11	1	1	70.6	50.0	.....	4.5
November.....	563	484	324	296	16	16	57.5	61.2	2.8	3.3	3.....	17	16	11	11	1	.....	64.7	68.8	5.9	.....
December.....	348	327	186	166	8	12	53.4	50.8	2.3	3.7	4.....	12	9	8	8	.....	75.0	33.3	.....	.....	
September.....	440	446	279	245	10	17	63.4	50.4	2.3	3.8	5.....	11	13	9	3	.....	72.7	61.5	.....	7.7	
1.....	5	6	1	.....	.....	.....	20.0	.....	.....	.....	6.....	19	11	14	6	.....	73.7	54.5	.....	.....	
2.....	3	3	.....	.....	.....	.....	.....	.....	.....	.....	7.....	10	8	6	4	.....	60.0	50.0	.....	12.5	
3.....	3	2	.....	.....	.....	.....	.....	.....	.....	.....	8.....	13	11	9	6	.....	69.2	54.5	.....	.....	
4.....	8	3	.....	.....	.....	.....	.....	.....	.....	.....	9.....	12	11	6	7	.....	50.0	63.6	.....	.....	
5.....	3	3	.....	.....	1	.....	.....	.....	12.5	.....	10.....	18	7	8	6	.....	44.4	85.7	.....	.....	
6.....	9	3	.....	.....	.....	.....	.....	.....	.....	.....	11.....	15	13	6	6	1	.....	40.0	46.2	6.7	.....
7.....	4	5	.....	.....	.....	.....	.....	.....	.....	.....	12.....	17	9	8	8	1	1	47.1	88.9	5.9	11.1
8.....	4	8	1	.....	.....	.....	25.0	.....	.....	.....	13.....	10	9	5	4	.....	50.0	44.4	.....	.....	
9.....	8	4	.....	.....	.....	.....	.....	.....	.....	.....	14.....	12	9	7	6	.....	58.3	66.7	.....	11.1	
10.....	5	7	.....	.....	.....	.....	.....	.....	.....	.....	15.....	10	9	5	4	.....	50.0	77.8	.....	.....	
11.....	8	10	1	.....	.....	.....	20.0	.....	.....	.....	16.....	6	12	1	2	.....	16.7	33.3	.....	8.3	
12.....	5	4	2	.....	.....	.....	12.5	.....	.....	.....	17.....	8	7	2	3	.....	25.0	42.9	.....	14.3	
13.....	5	6	1	.....	.....	.....	25.0	.....	.....	.....	18.....	10	8	6	3	.....	60.0	37.5	.....	12.5	
14.....	3	6	.....	.....	.....	.....	20.0	.....	.....	.....	19.....	3	9	1	3	.....	33.3	33.3	.....	11.1	
15.....	6	9	1	.....	.....	.....	16.7	.....	.....	.....	20.....	3	11	3	2	.....	100.0	18.2	.....	.....	
16.....	4	7	1	.....	1	.....	25.0	.....	14.3	.....	21.....	19	10	9	6	.....	47.4	60.0	.....	.....	
17.....	4	4	.....	1	.....	.....	.....	25.0	.....	.....	22.....	6	10	2	4	1	.....	33.3	40.0	16.7	.....
18.....	9	7	2	.....	.....	.....	22.2	.....	.....	.....	23.....	9	8	4	4	.....	44.4	50.0	.....	12.5	
19.....	5	5	1	.....	.....	.....	20.0	.....	.....	.....	24.....	12	11	7	4	.....	58.3	36.4	.....	.....	
20.....	5	5	.....	2	.....	.....	40.0	.....	.....	.....	25.....	8	8	4	4	.....	50.0	50.0	.....	.....	
21.....	2	6	.....	.....	1	.....	.....	50.0	.....	.....	26.....	9	7	1	3	.....	11.1	42.9	.....	.....	
22.....	4	.....	1	.....	.....	.....	25.0	.....	.....	.....	27.....	13	11	7	4	.....	53.8	36.4	.....	.....	
23.....	8	6	.....	.....	.....	.....	.....	.....	.....	.....	28.....	4	10	1	3	.....	25.0	30.0	.....	10.0	
24.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.....	17	18	9	10	1	.....	52.9	55.6	5.9	.....
25.....	4	7	.....	1	.....	.....	.....	.....	.....	.....	30.....	15	12	8	4	2	1	53.3	33.3	13.3	8.3
26.....	6	6	.....	1	.....	.....	16.7	.....	.....	.....	December—										
27.....	6	5	.....	.....	1	.....	.....	.....	.....	.....	1.....	23	15	12	10	.....	1	52.2	66.7	.....	6.7
28.....	8	5	.....	.....	.....	.....	20.0	.....	.....	.....	2.....	11	11	6	8	.....	.....	54.5	72.7	.....	.....
29.....	9	.....	1	.....	.....	.....	11.1	.....	.....	.....	3.....	16	16	10	8	.....	1	62.5	50.0	.....	6.3
30.....	8	4	.....	2	.....	.....	50.0	.....	.....	.....	4.....	17	21	12	15	.....	.....	70.6	71.4	.....	.....
October—	4	2	.....	.....	.....	.....	.....	.....	.....	.....	5.....	17	12	11	8	1	1	64.7	66.7	5.9	8.3
1.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.....	20	20	16	14	1	.....	80.0	70.0	5.0	.....
2.....	9	10	2	3	.....	.....	22.2	30.0	.....	.....	7.....	21	22	11	15	1	2	52.4	68.2	4.8	9.1
3.....	7	8	1	.....	.....	.....	14.3	12.5	.....	.....	8.....	25	23	19	15	.....	1	76.0	65.2	.....	4.3
4.....	7	11	.....	4	.....	.....	.....	36.4	.....	.....	9.....	17	26	16	12	.....	.....	94.1	46.2	.....	.....
5.....	7	3	1	1	1	1	27.3	14.3	9.1	14.3	10.....	18	15	16	11	.....	.....	88.9	73.3	.....	.....
6.....	9	4	.....	.....	.....	.....	36.4	.....	.....	.....	11.....	18	14	11	12	2	.....	61.1	85.7	11.1	.....
7.....	11	7	3	.....	.....	.....	27.3	42.9	.....	.....	12.....	13	20	8	10	.....	.....	61.5	50.0	.....	.....
8.....	13	6	1	.....	.....	.....	7.7	16.7	.....	.....	13.....	15	19	11	17	2	.....	73.3	89.5	13.3	.....
9.....	13	14	6	5	.....	1	46.2	35.7	.....	7.2	14.....	18	23	10	14	.....	1	44.4	60.9	.....	4.3
10.....	14	10	5	4	1	1	35.7	40.0	7.1	10.0	15.....	18	26	14	17	.....	2	77.8	65.4	.....	7.7
11.....	14	15	8	9	.....	.....	57.1	60.0	.....	.....	16.....	17	20	11	11	1	.....	64.7	55.0	5.9	5.0
12.....	16	16	10	12	.....	.....	62.5	75.0	.....	.....	17.....	15	7	10	5	.....	1	66.7	71.4	.....	14.3
13.....	16	15	11	8	1	.....	68.8	53.3	6.3	.....	18.....	18	9	11	4	.....	.....	61.1	44.4	.....	.....
14.....	21	14	16	12	.....	.....	76.2	85.7	.....	.....	19.....	14	19	8	8	.....	.....	57.1	42.1	.....	.....
15.....	26	19	17	6	.....	.....	65.4	60.0	.....	.....	20.....	13	14	10	8	.....	1	76.9	57.1	.....	7.1
16.....	18	22	10	13	1	1	55.6	39.1	5.6	4.5	21.....	13	13	7	5	.....	.....	53.8	38.5	.....	.....
17.....	33	17	20	10	.....	.....	60.6	58.8	.....	.....	22.....	13	11	7	4	.....	.....	53.8	36.4	.....	.....
18.....	26	17	12	.....	.....	.....	65.4	70.6	.....	.....	23.....	10	9	5	5	.....	2	50.0	55.6	.....	22.2
19.....	31	26	24	18	3	.....	77.4	69.2	9.7	.....	24.....	6	6	4	3	.....	.....	66.7	50.0	.....	.....
20.....	22	21	11	14	1	1	50.0	66.7	4.5	4.8	25.....	6	8	4	3	.....	.....	50.0	44.4	.....	25.0
21.....	27	29	21	26	.....	.....	77.8	89.7	.....	.....	26.....	18	9	7	6	1	.....	66.7	37.5	5.6	.....
22.....	41	20	28	14	2	2	68.3	70.0	4.9	5.0	27.....	7	9	3	5	.....	.....	42.9	55.6	.....	.....
23.....	26	18	17	9	2	2	65.4	50.0	7.7	11.1	28.....	7	8	1	4	.....	.....	14.3	50.0	.....	.....
24.....	19	15	11	7	.....	1	57.9	46.7	.....	6.7	29.....	4	8	.....	.....	1	.....	50.0	25.0	25.0	.....
25.....	18	20	13	13	.....	.....	72.2	65.0	.....	.....	30.....	6	.....	3	2	.....	.....	50.0	50.0	.....	.....
26.....	31	28	19	23	2	.....	61.3	82.2	6.5	.....	31.....	6	4	.....	.....	.....	.....	.....	.....	.....	.....
27.....	14	27	9	19	.....	4	64.3	70.4	.....	14.8											
28.....	18	22	10	13	1	.....	55.6	59.1	5.6	.....											
29.....	17	23	9	18	.....	1	52.9	78.3	.....	4.4											
30.....	17	10	11	6	1	2	64.7	60.0	5.9	20.0											
31.....	12	15	7	12	.....	.....	58.3	80.0	.....	.....											



[See note at head of this table, p. 152.]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.			
	Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).					Influenza and pneumonia (all forms).						Influenza and pneumonia (all forms).			
	All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.			All causes.		Primary cause.		Contributory cause.		Primary cause.		Contributory cause.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
KANSAS RURAL DISTRICTS.										KANSAS RURAL DISTRICTS—Contd.											
Total for 4 months . . . . .										November—											
September . . . . .	4,373	3,670	2,106	1,745	129	209	48.2	47.5	2.9	5.7	1.	44	45	26	23	1	2	58.3	60.5	2.1	5.3
October . . . . .	1,234	1,016	665	493	26	48	53.9	48.5	2.1	4.7	2.	44	45	26	23	2	2	59.1	51.1	4.5	4.4
November . . . . .	1,152	924	598	439	44	66	51.9	47.5	3.8	7.1	3.	51	31	28	11	1	2	54.9	35.5	2.0	6.5
December . . . . .	1,451	1,283	819	791	51	84	56.4	61.7	3.5	6.5	4.	51	35	30	17	1	3	58.8	48.6	2.0	8.6
September—																					
1. . . . .	14	20										47	26	22	10	4	3	46.8	38.5	8.5	11.5
2. . . . .	18	16										47	30	24	19	3		51.1	63.3	6.4	8.8
3. . . . .	13	2		1				6.3				45	34	29	20	2	3	64.1	58.8	4.4	8.8
4. . . . .	13	2										41	36	25	22		1	61.0	61.1		2.8
5. . . . .	11	9										38	27	21	15	2		55.3	55.6	5.3	
6. . . . .	18	14	1				5.6					42	27	25	10		3	59.5	37.0		11.1
7. . . . .	17	15	1	1			5.9	6.7				31	24	13	10			38.2	41.7		
8. . . . .	18	20		2				10.0				36	36	21	15	1	2	58.3	41.7	2.8	5.6
9. . . . .	18	18										42	31	22	13	1	1	52.4	41.9	2.4	3.2
10. . . . .	18	12										36	21	21	6	3	2	66.7	28.6	8.3	9.5
11. . . . .	17	18	2	1			11.1	5.6				28	30	14	15	2	2	50.0	50.0	7.1	6.7
12. . . . .	19	10			1		5.3		5.3			26	30	8	15		1	30.8	50.0		3.3
13. . . . .	13	15	1									29	26	15	10	2	1	51.7	38.5	6.9	3.8
14. . . . .	15	17										33	33	17	17	1	2	51.5	51.5	3.0	6.1
15. . . . .	22	13										27	21	12	13	1	2	44.4	51.2	3.7	8.3
16. . . . .	12	19		1								35	22	16	8	1	1	45.7	36.4	2.9	4.5
17. . . . .	12	19		1								36	21	19	10			52.8	41.7		
18. . . . .	18	16	1		1	1	5.6		5.6	6.3		36	36	17	11	1	4	47.2	30.6	2.8	11.1
19. . . . .	15	13				2				15.4		34	32	14	16			41.2	50.0		3.1
20. . . . .	25	14	1	1				7.7				39	30	18	16		3	46.2	53.3		10.0
21. . . . .	20	21	1				4.0	7.1		7.1		25	27	20	11	2	4	52.6	40.7	5.3	14.8
22. . . . .	8	14		1				7.1				37	35	19	13	2	6	51.4	37.1	5.4	17.1
23. . . . .	20	13	2		1		10.0		5.0			36	28	19	15	4	1	52.8	33.6	11.1	3.6
24. . . . .	20	21	3	2	2	2	15.0	9.5	10.0	9.5		37	32	16	16	1	3	43.2	50.0	2.7	9.4
25. . . . .	24	16	1	1			4.2	6.3				37	37	12	23	4	6	32.4	62.2	10.8	16.2
26. . . . .	10	14	1	3	1		10.0	21.4	10.0			42	37	21	16	2	5	57.1	43.2	4.8	13.5
27. . . . .	25	10					4.0					December—									
28. . . . .	28	18	4	2			14.3	11.1		5.6		43	41	19	24	1	2	44.2	58.5	2.3	4.9
29. . . . .	23	15	1	4	1	1	4.4	26.7	4.4	6.7		50	47	26	28	1	4	52.0	59.6	2.0	8.5
30. . . . .	27	15	3	1		1	11.1	6.7		6.7		36	55	21	33		3	58.3	60.0		5.5
October—																					
1. . . . .	21	13	1	2	1	1	4.8	15.4	4.8	7.7		44	57	30	34	1	5	68.2	59.6	2.3	8.8
2. . . . .	14	19	3	6			21.4	31.6				62	61	40	47	1	4	64.5	77.0	1.6	6.6
3. . . . .	27	19	3	3			15.1	15.8				52	47	34	34	1	5	65.4	72.3	1.9	10.6
4. . . . .	26	17	8	1	1		36.8	5.9	3.8			60	52	33	33	4	5	55.0	63.5	6.7	9.6
5. . . . .	23	23	6	5	1	1	26.1	21.7	4.3			66	44	40	35	3	5	60.6	79.5	4.5	11.4
6. . . . .	37	21	10	3	1	1	27.0	14.3	2.7	4.8		50	57	34	37	3	1	68.0	64.9	6.0	1.8
7. . . . .	35	11	11	4			31.4	36.4				78	55	53	35	3	4	67.9	63.6	3.8	7.3
8. . . . .	24	29	10	7			11.7	24.1	4.2			55	46	30	33	1	1	54.5	71.7	1.8	2.2
9. . . . .	36	27	12	12	1	1	46.2	50.0				57	50	32	28	5	5	56.1	56.0	8.8	10.0
10. . . . .	26	30	14	18			33.3	44.4	2.8	3.7		63	42	34	28	5	4	54.0	66.7	7.9	9.5
11. . . . .	37	35	21	16		2	56.8	45.7		2.9		53	56	26	39	2	3	49.1	69.6	3.8	5.4
12. . . . .	30	23	23	9			46.7	39.1		4.3		58	47	37	31	3	5	63.8	66.0	5.2	10.6
13. . . . .	33	33	20	16			63.4	43.3		3.3		50	43	34	27	2	2	68.0	62.8	4.0	4.7
14. . . . .	41	30	26	13			47.2	48.5		9.1		56	51	33	31	1	5	58.9	60.8	1.8	9.8
15. . . . .	36	33	17	16		3	61.2	57.1				48	53	33	39		3	68.8	73.6		5.7
16. . . . .	49	42	30	21		2	64.8	59.0	3.7	5.1		53	34	33	21	2	2	62.3	61.8	3.8	
17. . . . .	59	33	38	17	2		64.4	51.5	3.4	3.0	21.	36	39	23	20	1	5	63.9	51.3	2.8	12.8
18. . . . .	52	42	33	25		2	63.5	59.5		4.8		37	26	20	10	2	3	54.1	38.5	5.4	11.5
19. . . . .	45	53	33	32		4	73.3	60.4		7.5		22	29	15	13		1	53.6	44.8		3.4
20. . . . .	59	36	37	14	2	4	62.7	38.9	3.4	11.1		36	29	12	18	2	1	33.3	62.1	5.6	3.4
21. . . . .	54	51	39	34	1	4	72.2	66.7	1.9	7.8		27	30	17	14	3	2	63.0	46.7	11.1	6.7
22. . . . .	44	42	28	24	2	3	63.6	57.1	4.5	7.1		36	30	21	19	1	1	58.3	63.3	2.8	3.3
23. . . . .	61	36	38	21		3	62.3	58.3		8.3		41	27	15	18	1	1	36.6	66.7	2.4	3.7
24. . . . .	48	48	25	29	2	3	52.1	60.4	4.2	6.3		48	25	23	12	2	1	47.9	48.0	4.2	4.0
25. . . . .	53	40	35	22	1	2	66.0	55.0	1.9	5.0		38	27	17	15			44.7	55.6		
26. . . . .	48	41	27	23	3	1	56.3	56.1	6.3	2.4		28	29	11	13			39.3	44.8		
27. . . . .	45	42	30	23	1	1	66.7	54.8	2.2	2.4		34	26	14	9			41.2	31.6		
28. . . . .	43	41	24	20	3	6	55.8	48.8	7.0	14.6		28	28	9	13		1	32.1	46.4		3.6
29. . . . .	38	37	19	20			50.0	54.1													
30. . . . .	36	27	17	12		1	47.2	44.4		3.7											
31. . . . .	36	27	17	12																	

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 2.—NUMBER AND PER CENT OF DEATHS, BY SEX, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR EACH DAY FROM SEPT. 1 TO DEC. 31, 1918—Continued.

[See note at head of this table, p. 152.]

AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.				AREA, MONTH, AND DAY.	NUMBER OF DEATHS.						PER CENT OF DEATHS BY SEX.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	All causes.		Influenza and pneumonia (all forms).				Influenza and pneumonia (all forms).					All causes.		Influenza and pneumonia (all forms).				Influenza and pneumonia (all forms).																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Primary cause.		Contributory cause.		Primary cause.		Contributory cause.					Primary cause.		Contributory cause.		Primary cause.		Contributory cause.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Male.	Female.										Male.	Female.									Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
PHILADELPHIA, PA.											PHILADELPHIA, PA.—Continued.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 3.—NUMBER AND PER CENT OF DEATHS, BY SEX, AGE, AND CONJUGAL CONDITION, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[This table excludes the deaths of soldiers, sailors, and marines.]

CONJUGAL CONDITION AND AGE PERIOD.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.				CONJUGAL CONDITION AND AGE PERIOD.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.			
	All causes.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.			All causes.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.	
	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.		Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
INDIANA.																					
All persons.....	9,871	9,399	4,356	4,107	353	624	44.1	43.7	3.6	6.6											
Under 15 years.....	2,438	2,225	1,186	1,107	94	117	48.6	49.8	3.9	5.3											
15 to 19 years.....	521	458	360	299	17	39	69.1	65.3	3.3	8.5											
20 to 24 years.....	514	773	371	512	23	90	72.2	66.2	4.5	11.6											
25 to 29 years.....	799	907	611	640	38	106	76.5	70.6	4.8	11.7											
30 to 34 years.....	818	793	619	552	35	72	75.7	69.6	4.3	9.1											
35 to 44 years.....	1,117	914	666	446	48	84	59.6	48.8	4.3	9.2											
45 to 54 years.....	727	667	204	199	28	35	28.1	29.8	3.9	5.2											
55 to 64 years.....	836	696	127	103	29	25	15.2	14.8	3.5	3.6											
65 years and over.....	2,089	1,962	209	247	41	56	10.0	12.6	2.0	2.9											
Unknown age.....	12	4	3	2			25.0	50.0													
Single.....	4,283	3,281	2,219	1,674	175	157	51.8	51.0	4.1	4.8											
Under 15 years.....	2,437	2,224	1,185	1,106	94	117	48.6	49.7	3.9	5.3											
15 to 19 years.....	506	303	348	198	16	17	68.8	65.3	3.2	5.6											
20 to 24 years.....	337	217	231	130	13	12	68.5	59.9	3.9	5.5											
25 to 29 years.....	218	144	144	99	10	3	66.1	68.8	4.6	2.1											
30 to 34 years.....	193	105	123	69	10	1	63.7	65.7	5.2	1.0											
35 to 44 years.....	234	82	118	34	14		50.4	41.5	6.0												
45 to 54 years.....	111	75	34	24	6	2	30.6	32.0	5.4	2.7											
55 to 64 years.....	104	42	16	2	6	2	15.4	4.8	5.8	4.8											
65 years and over.....	140	88	18	11	6	3	12.9	12.5	4.3	3.4											
Unknown age.....	3	1	2	1			66.7	100.0													
Married.....	4,427	4,294	1,933	2,095	158	409	43.7	48.8	3.6	9.5											
Under 15 years.....	1		1				100.0														
15 to 19 years.....	15	148	12	96	1	20	80.0	64.9	6.7	13.5											
20 to 24 years.....	169	540	136	369	9	77	80.5	68.3	5.3	14.3											
25 to 29 years.....	559	723	448	516	28	99	80.1	71.4	5.0	13.7											
30 to 34 years.....	589	649	473	458	24	69	80.3	70.6	4.1	10.6											
35 to 44 years.....	809	763	517	376	33	80	63.9	49.3	4.1	10.5											
45 to 54 years.....	525	485	146	152	20	28	27.8	31.1	3.8	5.7											
55 to 64 years.....	584	424	90	67	21	15	15.4	15.8	3.6	3.5											
65 years and over.....	1,171	557	109	60	22	21	9.3	10.8	1.9	3.8											
Unknown age.....	2	2	1	1			50.0	50.0													
Widowed.....	1,001	1,734	160	302	18	54	16.0	17.4	1.8	3.1											
15 to 19 years.....		3		2		1	66.7			33.3											
20 to 24 years.....	1	12		10			83.3			8.3											
25 to 29 years.....	16	31	14	20		3	87.5	64.5		9.7											
30 to 34 years.....	21	28	12	20	1	1	57.1	71.4	4.8	3.6											
35 to 44 years.....	40	52	23	27	1	3	57.5	51.9	2.5	5.8											
45 to 54 years.....	59	96	15	20	2	5	25.4	20.8	3.4	5.2											
55 to 64 years.....	120	215	15	32	1	8	12.5	14.9	0.8	3.7											
65 years and over.....	742	1,296	81	171	13	32	10.9	13.2	1.8	2.5											
Unknown age.....	2	1																			
Divorced.....	109	79	30	32	2	4	27.5	40.5	1.8	5.1											
15 to 19 years.....		4		3		1	75.0			25.0											
20 to 24 years.....	4	3	2	2	1		50.0	66.7	25.0												
25 to 29 years.....		8		5		1	62.5			12.5											
30 to 34 years.....	13	10	10	5		1	76.9	50.0		10.0											
35 to 44 years.....	25	15	6	8		1	24.0	53.3		6.7											
45 to 54 years.....	22	8	7	3			31.8	37.5													
55 to 64 years.....	25	15	5	2	1		20.0	13.3	4.0												
65 years and over.....	20	16		4				25.0													
Unknown.....	51	11	14	4			27.5	36.4													
Under 15 years.....		1		1				100.0													
20 to 24 years.....	3	1	2	1			66.7	100.0													
25 to 29 years.....	6	1	5				83.3														
30 to 34 years.....	2	1	1				50.0														
35 to 44 years.....	9	2	2	1			22.2	50.0													
45 to 54 years.....	10		2				20.0														
55 to 64 years.....	3		1				33.3														
65 years and over.....	13	5	1	1			7.7	20.0													
Unknown age.....	5																				
KANSAS.																					
All persons.....	5,894	5,089	2,908	2,481	166	255	49.3	48.8	2.8	5.0											
Under 15 years.....	1,173	1,104	544	535	35	47	46.4	48.5	3.0	4.3											
15 to 19 years.....	383	298	289	200	14	25	75.5	67.1	3.7	8.4											
20 to 24 years.....	423	449	329	323	18	36	77.8	71.9	4.3	8.0											
25 to 29 years.....	564	590	459	440	22	49	81.4	74.6	3.9	8.3											
30 to 34 years.....	623	476	504	340	18	33	80.9	71.4	2.9	6.9											
35 to 44 years.....	669	533	459	307	19	32	68.6	57.6	2.8	6.0											
45 to 54 years.....	383	332	127	116	7	12	33.2	31.9	1.8	3.6											
55 to 64 years.....	444	347	72	76	10	10	16.2	31.9	2.3	2.9											
65 years and over.....	1,216	954	119	139	22	11	9.8	14.6	1.8	1.2											
Unknown age.....	16	6	6	5	1		37.5	83.3	6.3												
Single.....	2,453	1,725	1,389	941	75	68	56.6	54.6	3.1	3.9											
Under 15 years.....	1,172	1,104	543	535	35	47	46.3	48.5	3.0	4.3											
15 to 19 years.....	370	199	279	130	13	10	75.4	65.3	3.5	5.0											
20 to 24 years.....	279	129	216	101	13	1	77.4	78.3	4.7	0.8											
25 to 29 years.....	155	99	121	84	5	1	78.1	84.8	3.2	1.0											
30 to 34 years.....	141	57	105	39	3	4	74.5	68.4	2.1	7.0											
35 to 44 years.....	132	64	80	36	3	2	60.6	56.3	2.3												

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 3.—NUMBER AND PER CENT OF DEATHS, BY SEX, AGE, AND CONJUGAL CONDITION, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

CONJUGAL CONDITION AND AGE PERIOD.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.				CONJUGAL CONDITION AND AGE PERIOD.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.			
	All causes.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.			All causes.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
PHILADELPHIA, PA.											PHILADELPHIA, PA.— continued.										
All persons.....	11,150	10,630	6,766	6,308	324	538	60.7	59.3	2.9	5.1	Widowed.....	615	1,280	175	319	23	43	28.5	24.9	3.7	3.4
Under 15 years.....	2,594	2,428	1,460	1,454	98	104	56.3	59.9	3.8	4.3	15 to 19 years.....	.....	1	.....	1	.....	.....	100.0	.....	.....	.....
15 to 19 years.....	461	508	375	398	8	28	81.3	78.3	1.7	5.5	20 to 24 years.....	2	6	1	5	.....	50.0	83.3	.....	.....	.....
20 to 24 years.....	734	1,167	598	918	21	73	81.5	78.7	2.9	6.3	25 to 29 years.....	19	28	17	25	.....	89.5	89.3	.....	.....	.....
25 to 29 years.....	1,378	1,486	1,185	1,226	29	89	86.0	82.5	2.1	6.0	30 to 34 years.....	21	25	17	19	1	2	81.0	76.0	4.8	8.0
30 to 34 years.....	1,371	1,072	1,173	859	30	68	85.6	80.1	2.2	6.3	35 to 44 years.....	54	78	30	38	2	5	55.6	48.7	3.7	6.4
35 to 44 years.....	1,667	1,158	1,164	725	43	71	69.8	62.6	2.6	6.1	45 to 54 years.....	68	147	29	58	4	4	42.6	39.5	5.9	2.7
45 to 54 years.....	1,053	849	452	358	30	34	42.9	42.2	2.8	4.0	55 to 64 years.....	133	226	28	52	5	9	21.1	23.0	3.8	4.0
55 to 64 years.....	870	683	185	173	37	31	21.3	25.3	4.3	4.5	65 years and over.....	318	769	53	121	11	23	16.7	15.7	3.5	3.0
65 years and over.....	1,019	1,279	171	197	28	40	16.8	15.4	2.7	3.1	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unknown age.....	3	.....	3	.....	.....	.....	100.0	.....	.....	.....	Divorced.....	23	24	12	11	.....	2	52.2	45.8	.....	8.3
Single.....	5,184	4,271	3,198	2,618	207	178	61.7	61.3	4.0	4.2	20 to 24 years.....	.....	1	.....	1	.....	.....	100.0	.....	.....	.....
Under 15 years.....	2,593	2,427	1,459	1,454	98	103	56.3	59.9	3.8	4.2	25 to 29 years.....	1	6	1	4	.....	1	100.0	66.7	.....	16.7
15 to 19 years.....	432	388	352	300	6	20	81.5	77.3	1.4	5.2	30 to 34 years.....	6	6	4	3	.....	66.7	50.0	.....	.....	.....
20 to 24 years.....	443	409	342	301	16	15	77.2	73.6	3.6	3.7	35 to 44 years.....	8	6	4	3	.....	1	50.0	50.0	.....	16.7
25 to 29 years.....	473	315	370	245	15	14	78.2	77.8	3.2	4.4	45 to 54 years.....	4	2	2	.....	.....	50.0	.....	.....	.....	.....
30 to 34 years.....	333	186	267	145	14	11	80.2	78.0	4.2	5.9	55 to 64 years.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
35 to 44 years.....	452	157	279	78	21	6	61.7	49.7	4.6	3.8	65 years and over.....	1	3	1	.....	.....	100.0	.....	.....	.....	.....
45 to 54 years.....	223	119	85	45	3	2	38.1	37.8	1.3	1.7	Unknown age.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55 to 64 years.....	134	90	22	22	22	6	16.4	24.4	16.4	6.7	Unknown.....	563	264	386	195	7	1	68.6	73.9	1.2	0.4
65 years and over.....	100	180	21	28	12	1	21.0	15.6	12.0	0.6	Under 15 years.....	1	.....	1	.....	.....	100.0	.....	.....	.....	.....
Unknown age.....	1	.....	1	.....	.....	.....	100.0	.....	.....	.....	15 to 19 years.....	17	13	15	12	1	.....	88.2	92.3	5.9	.....
Married.....	4,765	4,791	2,995	3,165	87	314	62.9	66.1	1.8	6.6	20 to 24 years.....	44	38	38	32	1	.....	86.4	84.2	2.3	.....
Under 15 years.....	.....	1	.....	.....	.....	1	.....	.....	.....	100.0	25 to 29 years.....	77	60	69	58	.....	.....	89.6	96.7	.....	.....
15 to 19 years.....	12	106	8	85	1	8	66.7	80.2	8.3	7.5	30 to 34 years.....	95	41	82	38	1	.....	86.3	92.7	1.1	.....
20 to 24 years.....	245	713	217	579	4	58	88.6	81.2	1.6	8.1	35 to 44 years.....	121	38	95	28	1	.....	78.5	73.7	0.8	.....
25 to 29 years.....	808	1,077	728	894	14	74	90.1	83.0	1.7	6.9	45 to 54 years.....	79	19	53	12	1	1	67.1	63.2	1.3	5.3
30 to 34 years.....	916	814	803	654	14	55	87.7	80.3	1.5	6.8	55 to 64 years.....	63	22	22	10	.....	.....	34.9	45.5	.....	.....
35 to 44 years.....	1,032	879	756	578	19	59	73.3	65.8	1.8	6.7	65 years and over.....	65	33	10	5	2	.....	15.4	15.2	3.1	.....
45 to 54 years.....	679	562	283	243	22	27	41.7	43.2	3.2	4.8	Unknown age.....	1	.....	1	.....	.....	100.0	.....	.....	.....	.....
55 to 64 years.....	537	345	113	89	10	16	21.0	25.8	1.9	4.6											
65 years and over.....	535	294	86	43	3	16	16.1	14.6	0.6	5.4											
Unknown age.....	1	.....	1	.....	.....	.....	100.0	.....	.....	.....											





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[This table excludes the deaths of soldiers, sailors, and marines.]

AGE OF DECEDENT, AND, FOR WHITES, COUNTRY OF BIRTH OF MOTHER.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.				AGE OF DECEDENT, AND, FOR WHITES, COUNTRY OF BIRTH OF MOTHER.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.			
	All causes.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.			All causes.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.		Influenza and pneumonia (all forms), primary cause.		Influenza and pneumonia (all forms), contributory cause.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
WHITE—Continued.										WHITE—Continued.											
MOTHERS BORN IN AUSTRIA (includes Austrian Poland).										MOTHERS BORN IN HUNGARY—continued.											
All ages.....	185	205	130	148	5	12	70.3	72.2	2.7	5.9	25 years.....	3	2	3	2	100.0	100.0				
Under 1 year.....	30	35	14	23	1	1	46.7	65.7	3.3	2.9	26 years.....	1	3	1	3	100.0	100.0				
Less than 1 day.....	2	1									27 years.....	2	1	2		100.0					
1 day.....	1	1									28 years.....	1	4		4	100.0	100.0				
2 days.....	2		1				50.0				29 years.....	5	2	5	2	100.0	100.0				
3 to 6 days.....	1	2		1				50.0			30 years.....	2	2	1	1	50.0	50.0			50.0	
1 week.....	3	2	1	1			33.3	50.0			31 years.....	8	3	8	3	100.0	100.0				
2 weeks.....	1										32 to 34 years.....	8	5	7	2	87.5	40.0				
3 weeks.....	2		2				100.0				35 to 39 years.....	8	5	7	2	100.0	85.7				
1 month.....	2	3					50.0	66.7			40 to 44 years.....	5	7	5	6	100.0	85.7				
2 months.....	3	1	3	2			100.0				45 to 49 years.....	3	3	1	2	33.3	66.7				
3 to 5 months.....	7	1	2	4			28.6	57.1			50 to 54 years.....	2	1	1	1	50.0	100.0				
6 to 8 months.....	2	11	1	10		1	50.0	90.9		9.1	55 to 59 years.....	1	3	1	2	100.0	66.7				
9 to 11 months.....	5	7	3	5	1		60.0	71.4	20.0		60 to 64 years.....		1								
1 year.....	11	20	8	13		4	72.7	65.0		20.0	65 years and over.....	4	2		1					25.0	
2 years.....	8	13	6	9			75.0	69.2			MOTHERS BORN IN CANADA.										
3 years.....	1	4	1	2			100.0	50.0			All ages.....	30	17	14	17	2	46.7	100.0	6.7		
4 years.....	4	4	4	3		1	100.0	75.0		25.0	Under 1 year.....	3									
5 to 9 years.....	10	15	8	10		3	80.0	66.7		20.0	Less than 1 day.....	2									
10 to 14 years.....	2	3	2	2			100.0	66.7			3 weeks.....	1									
15 to 17 years.....	1	6	1	5			100.0	83.3			1 year.....	1		1		100.0					
18 years.....	1	1	1	1			100.0	100.0			2 years.....	1			1		100.0		100.0		
19 years.....	1	3	1	3			100.0	100.0			3 years.....		1		1		100.0		100.0		
20 years.....	1	2	1	2			100.0	100.0			10 to 14 years.....		1		1		100.0		100.0		
21 years.....	3						100.0	42.9			15 to 17 years.....	1		1		100.0	100.0				
22 years.....	3	7	3	3			100.0	88.9		12.5	19 years.....	1	1	1	1	100.0	100.0				
23 years.....		9		8			100.0	62.5			23 years.....	2		1		50.0					
24 years.....	3	8	3	5		1	100.0	62.5		12.5	24 years.....		1		1	100.0					
25 years.....	6	7	5	7			83.3	100.0			25 years.....	2	1	2	1	100.0	100.0				
26 years.....	10	7	9	6			90.0	85.7			26 years.....	2	2	2	2	100.0	100.0				
27 years.....	4	8	3	5		1	75.0	62.5		12.5	27 years.....	1	2	1	2	100.0	100.0				
28 years.....	7	5	6	5			85.7	100.0			28 years.....	1		1		100.0					
29 years.....	7	4	7	4			100.0	100.0			29 years.....	1			1				100.0		
30 years.....	3	1	3				100.0	100.0			32 to 34 years.....	1		1		100.0					
31 years.....	3	4	3	4			100.0	100.0			35 to 39 years.....	4	4	3	4	75.0	100.0				
32 to 34 years.....	13	10	11	10			84.6	100.0			40 to 44 years.....	1	2		2	100.0					
35 to 39 years.....	19	12	13	12	2		68.4	100.0	10.5		45 to 49 years.....	2									
40 to 44 years.....	13	4	12	2			92.3	50.0			50 to 54 years.....	2	1		1		100.0				
45 to 49 years.....	4	5	3	2			75.0	40.0			55 to 59 years.....	1					100.0				
50 to 54 years.....	7	3	1	1			14.3	33.3			65 years and over.....	3	1		1		100.0				
55 to 59 years.....	5		1				20.0				MOTHERS BORN IN DENMARK, NORWAY, AND SWEDEN.										
60 to 64 years.....	3										All ages.....	33	49	24	23	1	72.7	46.9		2.0	
65 years and over.....	5	2		2					40.0		Under 1 year.....		4		2			50.0			
MOTHERS BORN IN HUNGARY.										MOTHERS BORN IN DENMARK, NORWAY, AND SWEDEN.											
All ages.....	80	83	56	58	1	2	70.0	69.9	1.3	2.4	Less than 1 day.....		1								
Under 1 year.....	12	13	1	4			8.3	30.8			1 week.....		1								
Less than 1 day.....	4										3 to 5 months.....		1		1		100.0				
2 days.....		1									9 to 11 months.....		1				100.0				
1 week.....		2									1 year.....		3		2			66.7			
3 weeks.....	1	2									2 years.....		1		1			100.0			
1 month.....	1	1	1				100.0				4 years.....	2		2		100.0					
2 months.....		1									5 to 9 years.....	4	1	3		75.0					
3 to 5 months.....	3	1		1				100.0			10 to 14 years.....		1		1			100.0			
6 to 8 months.....	2	3		2				66.7			15 to 17 years.....		1								
9 to 11 months.....	1	2		1				50.0			18 years.....	1		1			100.0				
1 year.....	6	3	5	2			83.3	66.7			20 years.....		2		1			50.0			
2 years.....	2	3	2	3			100.0	100.0			21 years.....										
3 years.....	1						100.0				22 years.....	1	1		1			100.0			
4 years.....	2	1	2	1			100.0	100.0			25 years.....	2	1	2			100.0				
5 to 9 years.....	4	3	2	2			50.0	66.7			26 years.....		2		1			50.0			
10 to 14 years.....	4	1	3	1			75.0	100.0			27 years.....	1		1			100.0				
15 to 17 years.....	1	2	1	1			100.0	50.0			28 years.....		1		1						
18 years.....	1	1	1	1			100.0	50.0		50.0	29 years.....		1	1			100.0	100.0			
19 years.....	1	2	1	1		1	100.0	50.0			30 years.....	1	4	1	3		100.0	75.0			
20 years.....		4		4			100.0				31 years.....		2		2		100.0				
21 years.....		3		3			100.0														
22 years.....	1		1				100.0														
23 years.....		1		1			100.0														
24 years.....	2	7	2	6			100.0	85.7													





## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 4.—NUMBER AND PER CENT OF DEATHS, BY SEX AND AGE, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

AGE OF DECEDENT, AND, FOR WHITES, COUNTRY OF BIRTH OF MOTHER.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.					NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.				
	All causes.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.			All causes.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.		
	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.		Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	
WHITE—Continued.																						
MOTHERS BORN IN ITALY.																						
All ages.....	932	821	693	577	22	41	74.4	72.7	2.4	5.0												
Under 1 year.....	123	110	59	52	3	6	48.0	47.3	2.4	5.5												
Less than 1 day.....	5	3																				
1 day.....	3	2	1				33.3															
2 days.....	3	2	1				33.3															
3 to 6 days.....	2	5	2				100.0															
1 week.....	8	5	2	1			25.0	20.0														
2 weeks.....	6	5	3	2			50.0	40.0														
3 weeks.....	3	2	1				33.3															
1 month.....	11	9	1	2		1	9.1	22.2		11.1												
2 months.....	12	9	2	3			16.7	33.3														
3 to 5 months.....	12	19	4	10	1		33.3	52.6	8.3													
6 to 8 months.....	28	24	20	16	2	4	71.4	66.7	7.1	16.7												
9 to 11 months.....	30	25	22	18		1	73.3	72.0		4.0												
1 year.....	68	82	52	63	8	6	76.5	76.8	11.8	7.3												
2 years.....	41	46	38	36	1	3	92.7	78.3	2.4	6.5												
3 years.....	22	27	14	21	1	1	63.6	77.8	4.5	3.7												
4 years.....	27	28	18	21	4	1	66.7	75.0	14.8	3.6												
5 to 9 years.....	64	57	58	44	1	1	90.6	77.2	1.6	1.8												
10 to 14 years.....	27	19	20	18	1		74.1	94.7	3.7													
15 to 17 years.....	30	18	21	15	1		70.0	83.3	3.3													
18 years.....	14	10	11	8			78.6	80.0														
19 years.....	9	11	7	11			77.8	100.0														
20 years.....	11	17	9	15			81.8	88.2														
21 years.....	16	14	14	12	1	1	87.5	85.7	6.3	7.1												
22 years.....	14	18	13	14			92.9	77.8		5.6												
23 years.....	11	18	11	16			100.0	88.9		5.6												
24 years.....	25	17	20	15		1	80.0	88.2		5.9												
25 years.....	10	19	8	13		4	80.0	68.4		21.1												
26 years.....	18	23	17	20		1	94.4	87.0		4.3												
27 years.....	24	24	22	19		1	91.7	79.2		4.2												
28 years.....	25	27	23	21		2	92.0	77.8		7.4												
29 years.....	20	14	17	13			85.0	92.9														
30 years.....	22	19	18	18			81.8	94.7														
31 years.....	10	16	10	15			100.0	93.8		6.3												
32 to 34 years.....	81	37	75	30		3	92.6	81.1		8.1												
35 to 39 years.....	77	53	67	39		5	87.0	73.6		9.4												
40 to 44 years.....	36	18	31	15		1	86.1	83.3		5.6												
45 to 49 years.....	33	19	16	10		1	48.5	52.6		5.3												
50 to 54 years.....	15	19	7	8			66.7	42.1														
55 to 59 years.....	14	9	5	3		1	35.7	33.3		7.1												
60 to 64 years.....	21	13	7	4			33.3	30.8														
65 years and over.....	24	19	5	8			20.8	42.1														
MOTHERS BORN IN PO- LAND (not specified).																						
All ages.....	228	166	148	119	6	40	64.9	71.7	2.6	24.1												
Under 1 year.....	43	29	11	12	2	11	25.6	41.4	4.7	37.9												
Less than 1 day.....	6	3																				
1 day.....	2	1								100.0												
2 days.....		1																				
3 to 6 days.....	2																					
1 week.....	3	1																				
2 weeks.....	3	1																				
3 weeks.....	1																					
1 month.....	2	1																				
2 months.....	2	1				1				50.0	100.0											
3 to 5 months.....	10	2	6			2	60.0															
6 to 8 months.....	10	6	4	5	1	1	40.0	33.3	10.0	16.7												
9 to 11 months.....	2	12	1	6		6	50.0	50.0		50.0												
1 year.....	26	20	21	17	1	3	80.8	85.0	3.8	15.0												
2 years.....	12	7	8	7			66.7	100.0														
3 years.....	3	8	1	5		3	33.3	62.5	33.3	37.5												
4 years.....	5	2	3	1			60.0	50.0														
5 to 9 years.....	12	4	9	3		1	75.0	75.0		25.0												
10 to 14 years.....	2	6	2	6			100.0	100.0														
15 to 17 years.....	2	2	1	2			50.0	100.0														
18 years.....		1		1			100.0															
19 years.....	1	1		1			100.0															
MOTHERS BORN IN PO- LAND (not specified).																						
All ages.....	228	166	148	119	6	40	64.9	71.7	2.6	24.1												
Under 1 year.....	43	29	11	12	2	11	25.6	41.4	4.7	37.9												
Less than 1 day.....	6	3																				
1 day.....	2	1								100.0												
2 days.....		1																				
3 to 6 days.....	2																					
1 week.....	3	1																				
2 weeks.....	3	1																				
3 weeks.....	1																					
1 month.....	2	1																				
2 months.....	2	1				1				50.0	100.0											
3 to 5 months.....	10	2	6			2	60.0															
6 to 8 months.....	10	6	4	5	1	1	40.0	33.3	10.0	16.7												
9 to 11 months.....	2	12	1	6		6	50.0	50.0		50.0												
1 year.....	26	20	21	17	1	3	80.8	85.0	3.8	15.0												
2 years.....	12	7	8	7			66.7	100.0														
3 years.....	3	8	1	5		3	33.3	62.5	33.3	37.5												
4 years.....	5	2	3	1			60.0	50.0														
5 to 9 years.....	12	4	9	3		1	75.0	75.0		25.0												
10 to 14 years.....	2	6	2	6			100.0	100.0														
15 to 17 years.....	2	2	1	2			50.0	100.0														
18 years.....		1		1			100.0															
19 years.....	1	1		1			100.0															
MOTHERS BORN IN PO- LAND (not specified).																						
All ages.....	228	166	148	119	6	40	64.9	71.7	2.6	24.1												
Under 1 year.....	43	29	11	12	2	11	25.6	41.4	4.7	37.9												



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 4.—NUMBER AND PER CENT OF DEATHS, BY SEX AND AGE, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

AGE OF DECEDENT, AND, FOR WHITES, COUNTRY OF BIRTH OF MOTHER.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.				AGE OF DECEDENT, AND, FOR WHITES, COUNTRY OF BIRTH OF MOTHER.	NUMBER OF DEATHS FROM—						PER CENT OF DEATHS BY SEX.			
	All causes.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.			All causes.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.		Influenza and pneu- monia (all forms), primary cause.		Influenza and pneu- monia (all forms), contribu- tory cause.	
	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.		Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
WHITE—Continued.											WHITE—Continued.										
MOTHERS BORN IN OTHER FOREIGN COUNTRIES.											MOTHERS BORN IN COUN- TRY NOT STATED—con.										
All ages.....	149	137	91	81	2	9	61.1	59.1	1.3	6.6											
Under 1 year.....	9	8	2	4	1		22.2	50.0	11.1		20 years.....	7	16	5	14			71.4	87.5		
Less than 1 day.....		1									21 years.....	17	16	16	14			94.1	87.5		
1 day.....	1										22 years.....	23	31	18	26			78.3	83.9	12.9	
1 week.....	1										23 years.....	23	29	19	27			82.6	93.1	3.4	
1 month.....	1										24 years.....	31	29	30	24			96.8	82.8		6.9
2 months.....	2		1		1		50.0		50.0		25 years.....	28	31	24	27			85.7	87.1		3.2
3 to 5 months.....	4	3	1	2			25.0	66.7			26 years.....	37	32	31	28	2		83.8	87.5	5.4	6.3
6 to 8 months.....		2		1				50.0			27 years.....	42	26	37	24			88.1	92.3		3.8
9 to 11 months.....		2		1				50.0			28 years.....	48	42	44	36			91.7	85.7		4.8
1 year.....	6	4	5	3			83.3	75.0			29 years.....	45	36	38	31			84.4	86.1		
2 years.....	4	5	2	2			50.0	40.0			30 years.....	48	30	37	27			77.1	90.0		3.3
3 years.....	1	3	1	1			100.0	33.3			31 years.....	49	30	45	26			91.8	86.7		
4 years.....		1		1				100.0			32 to 34 years.....	153	72	128	53	4		83.7	73.6	2.6	1.4
5 to 9 years.....	3	3	3	3			100.0	100.0			35 to 39 years.....	197	84	159	65	4	4	80.7	77.4	2.0	4.8
10 to 14 years.....	2	2		1				50.0			40 to 44 years.....	143	69	87	45	4	4	60.8	65.2	2.8	5.8
15 to 17 years.....	6	1	6	1			100.0	100.0			45 to 49 years.....	132	61	72	28	4	3	54.5	45.9	3.0	4.9
18 years.....	2	3	1	1			50.0	33.3			50 to 54 years.....	96	66	39	26			40.6	39.4		1.5
19 years.....	2		2				100.0				55 to 59 years.....	102	69	33	16	8	3	32.4	23.2	7.8	4.3
20 years.....	4	5	3	4		1	75.0	80.0		20.0	60 to 64 years.....	110	75	24	19	2	1	21.8	25.3	1.8	1.3
21 years.....	5		5				100.0				65 years and over.....	298	265	47	38	3	1	15.8	14.3	1.0	0.4
22 years.....	5	4	4	2		1	80.0	50.0		25.0	Unknown age.....	2		2				100.0			
23 years.....	1	7		5	1	1		71.4	100.0	14.3	COLORED MOTHERS.										
24 years.....	6	8	4	8			66.7	100.0			All ages.....	833	825	461	439	17	18	55.3	53.2	2.0	2.2
25 years.....	2	6	2	4			100.0	66.7			Under 1 year.....	86	72	31	25	5	2	36.0	34.7	5.8	2.8
26 years.....	4	7	2	6			50.0	85.7			Less than 1 day.....	11	6								
27 years.....	3	5	3	5			100.0	100.0			1 day.....	2	1								
28 years.....	5	5	3	2		2	60.0	40.0		40.0	2 days.....	4	3	1	1			25.0	33.3		33.3
29 years.....	4	3	4	3			100.0	100.0			3 to 6 days.....	3	1	1				33.3			
30 years.....	2	2	1	2			50.0	100.0			1 week.....	4	2	1				25.0			
31 years.....	3	3	2	2		1	66.7	66.7		33.3	2 weeks.....	2	5		2						
32 to 34 years.....	13	5	12	4			92.3	80.0			3 weeks.....	2	3								
35 to 39 years.....	12	10	11	7		1	91.7	70.0		10.0	1 month.....	5	7	2				40.0			
40 to 44 years.....	8	6	4	2		1	50.0	33.3		16.7	2 months.....	7	6	2	1	1		28.6	16.7	14.3	16.7
45 to 49 years.....	4	6	1	3			25.0	50.0			3 to 5 months.....	15	18	5	6	2		33.3	33.3	13.3	
50 to 54 years.....	10	8	4	4			40.0	50.0			6 to 8 months.....	15	7	10	5	1		66.7	71.4	6.7	
55 to 59 years.....	6	4	2			1	33.3			25.0	9 to 11 months.....	16	13	9	10	1		56.3	76.9	6.3	
60 to 64 years.....	2	2	1	1			50.0	50.0			1 year.....	36	45	29	31	1	1	80.6	68.9	2.8	2.2
65 years and over.....	15	11	1				6.7				2 years.....	26	21	19	20	2		73.1	55.2	7.7	
MOTHERS BORN IN COUN- TRY NOT STATED.											3 years.....	13	12	9	7			69.2	58.3		
All ages.....	1,768	1,249	1,035	691	32	36	58.5	55.3	1.8	2.9	4 years.....	15	16	9	11	1		60.0	68.8	6.7	
Under 1 year.....	35	42	18	12		1	51.4	28.6		2.4	5 to 9 years.....	20	27	15	22	1		75.0	81.5	5.0	
Less than 1 day.....	1	2									10 to 14 years.....	12	16	8	12			66.7	75.0		
1 day.....	2	3									15 to 17 years.....	18	18	15	11			83.3	61.1		11.1
2 days.....	1										18 years.....	13	10	10	7			76.9	70.0		
3 to 6 days.....	1										19 years.....	10	14	5	9			50.0	64.3		
1 week.....	3	2	2				66.7				20 years.....	11	14	9	7			81.8	50.0		
2 weeks.....	1		1				100.0				21 years.....	17	11	10	6			58.8	64.5		9.1
3 weeks.....	3	2									22 years.....	14	20	9	11			64.3	55.0		
1 month.....	3	1	2				66.7				23 years.....	10	29	6	18	1		60.0	62.1	10.0	
2 months.....	2	6	2				100.0				24 years.....	6	29	2	21			33.3	72.4		3.4
3 to 5 months.....	10	11	5	4			50.0	36.4			25 years.....	13	24	5	16			38.5	66.7		
6 to 8 months.....	4	9	4	4		1	100.0	44.4		11.1	26 years.....	14	19	11	13			78.6	68.4		5.3
9 to 11 months.....	4	6	2	4			50.0	66.7			27 years.....	15	25	7	17			46.7	68.0		
1 year.....	24	6	15	4			62.5	66.7			28 years.....	29	31	25	20			86.2	64.5		9.7
2 years.....	13	10	12	10			92.3	100.0			29 years.....	21	10	15	6			71.4	60.0		
3 years.....	6	4	4	4			66.7	100.0			30 years.....	20	26	14	22			70.0	84.6		
4 years.....	4	4	3			1	100.0	75.0		25.0	31 years.....	11	15	9	7			81.8	46.7		
5 to 9 years.....	22	18	19	15	1		86.4	83.3		4.5	32 to 34 years.....	56	46	38	31	1	2	67.9	67.4	1.8	4.3
10 to 14 years.....	8	12	7	12			87.5	100.0			35 to 39 years.....	111	70	71	33	1	3	64.0	47.1	0.9	4.3
15 to 17 years.....	15	17	12	15			80.0	88.2		5.9	40 to 44 years.....	54	40	25	17			46.3	42.5		
18 years.....	4	15	4	11			100.0	73.3		6.7	45 to 49 years.....	65	45	30	13	1		46.2	28.9	1.5	
19 years.....	6	12	5	11			83.3	91.7			50 to 54 years.....	39	37	10	9			25.6	24.3		
											55 to 59 years.....	19	11	5	2			26.3	18.2		9.1
											60 to 64 years.....	25	20	5	6			20.0	30.0	8.0	
											65 years and over.....	34	52	5	9	1	1	14.7	17.3	2.9	1.9

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TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—			Per cent.		Number of deaths from—			Per cent.		Number of deaths from—			Per cent.	
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
All occupations.....	6,145	2,902	227	47.2	3.7	3,846	2,063	102	53.6	2.7	7,256	4,677	187	64.5	2.6
10 to 14 years.....	21	11	2	52.4	9.5	12	5	1	41.7	8.3	8	4	.....	(1)	.....
15 to 19 years.....	339	240	14	70.8	4.1	230	175	8	76.1	3.5	314	256	6	81.5	1.9
20 to 24 years.....	480	351	21	73.1	4.4	378	297	15	78.6	4.0	641	524	20	81.7	3.1
25 to 29 years.....	763	557	36	76.9	4.7	516	423	16	82.0	3.1	1,236	1,064	25	86.1	2.0
30 to 34 years.....	772	597	34	77.3	4.4	591	476	18	80.5	3.0	1,233	1,067	26	86.5	2.1
35 to 39 years.....	649	444	27	68.4	4.2	387	284	8	73.4	2.1	943	736	22	78.0	2.3
40 to 44 years.....	420	208	18	49.5	4.3	228	144	6	63.2	2.6	531	340	18	58.5	3.1
45 to 54 years.....	674	197	25	29.2	3.7	346	113	4	32.7	1.2	927	403	25	43.5	2.7
55 to 64 years.....	712	116	24	16.3	3.4	387	67	8	17.3	2.1	728	154	27	21.2	3.7
65 to 74 years.....	794	96	18	12.1	2.3	413	44	11	10.7	2.7	452	106	13	23.5	2.9
75 years and over.....	514	53	8	10.3	1.6	352	35	6	9.9	1.7	191	21	5	11.0	2.6
Unknown age.....	7	2	.....	(1)	.....	6	.....	1	.....	(1)	2	2	.....	(1)	.....
Agriculture, forestry, and animal husbandry.....	1,666	593	71	35.6	4.3	1,410	596	40	42.3	2.8	88	34	3	38.6	3.4
10 to 14 years.....	8	5	1	(1)	(1)	9	3	.....	(1)	.....	1	.....	.....	(1)	.....
15 to 19 years.....	112	73	4	65.2	3.6	87	68	4	78.2	4.6	2	1	.....	(1)	.....
20 to 24 years.....	137	104	6	75.9	4.4	145	108	8	74.5	5.5	5	4	.....	(1)	.....
25 to 29 years.....	146	109	5	74.7	3.4	154	130	5	84.4	3.2	13	10	1	76.9	7.7
30 to 34 years.....	123	90	9	73.2	7.3	148	117	5	79.1	3.4	5	4	.....	(1)	.....
35 to 39 years.....	110	74	7	67.3	6.4	92	59	1	64.1	1.1	12	9	.....	75.0	.....
40 to 44 years.....	66	20	8	30.3	12.1	54	29	3	53.7	5.6	1	1	.....	(1)	.....
45 to 54 years.....	134	28	7	20.9	5.2	97	21	.....	21.6	.....	12	5	1	41.7	8.3
55 to 64 years.....	213	29	9	13.6	4.2	168	23	4	13.7	2.4	14	.....	.....	.....	.....
65 to 74 years.....	330	35	10	10.6	3.0	218	16	6	7.3	2.8	11	.....	.....	.....	.....
75 years and over.....	287	26	5	9.1	1.7	235	22	3	9.4	1.3	12	.....	.....	.....	.....
Unknown age.....	.....	.....	.....	.....	.....	3	.....	1	.....	(1)	.....	.....	.....	.....	.....
Farmers.....	1,557	542	63	34.8	4.0	1,351	564	38	41.7	2.8	48	19	1	39.6	2.1
10 to 14 years.....	7	5	1	(1)	(1)	9	3	.....	(1)	.....	1	.....	.....	(1)	.....
15 to 19 years.....	94	62	2	66.0	2.1	77	62	3	80.5	3.9	1	1	.....	(1)	.....
20 to 24 years.....	114	89	5	78.1	4.4	136	100	8	73.5	5.9	5	4	.....	(1)	.....
25 to 29 years.....	137	103	5	75.2	3.6	149	126	4	84.6	2.7	6	5	.....	(1)	.....
30 to 34 years.....	116	84	8	72.4	6.9	145	114	5	78.6	3.4	2	2	.....	(1)	.....
35 to 39 years.....	102	70	6	68.6	5.9	83	52	1	62.7	1.2	5	4	.....	(1)	.....
40 to 44 years.....	63	19	7	30.2	11.1	49	26	3	53.1	6.1	.....	.....	.....	.....	.....
45 to 54 years.....	124	25	7	20.2	5.6	92	20	.....	21.7	.....	7	3	1	(1)	(1)
55 to 64 years.....	199	26	8	13.1	4.0	164	23	4	14.0	2.4	8	.....	.....	.....	.....
65 to 74 years.....	319	33	9	10.3	2.8	214	16	6	7.5	2.8	7	.....	.....	.....	.....
75 years and over.....	282	26	5	9.2	1.8	230	22	3	9.6	1.3	6	.....	.....	.....	.....
Unknown age.....	.....	.....	.....	.....	.....	3	.....	1	.....	(1)	.....	.....	.....	.....	.....
Farm foremen and farm laborers.....	75	38	6	50.7	8.0	26	16	1	61.5	3.8	4	1	1	(1)	(1)
10 to 14 years.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15 to 19 years.....	17	10	2	58.8	11.8	10	6	1	60.0	10.0	1	.....	1	.....	(1)
20 to 24 years.....	19	13	1	68.4	5.3	6	5	.....	(1)	.....	.....	.....	.....	.....	.....
25 to 29 years.....	9	6	.....	(1)	.....	2	2	.....	(1)	.....	.....	.....	.....	.....	.....
30 to 34 years.....	5	4	1	(1)	(1)	.....	.....	.....	(1)	.....	.....	.....	.....	.....	.....
35 to 39 years.....	5	2	1	(1)	(1)	3	2	.....	(1)	.....	1	1	.....	(1)	.....
40 to 44 years.....	2	.....	1	(1)	(1)	2	1	.....	(1)	.....	.....	.....	.....	.....	.....
45 to 54 years.....	4	1	.....	(1)	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....
55 to 64 years.....	8	2	.....	(1)	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....
65 to 74 years.....	3	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
75 years and over.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other agricultural, and animal husbandry pursuits.....	34	13	2	38.2	5.9	33	16	1	48.5	3.0	36	14	1	38.9	2.8
15 to 19 years.....	1	1	.....	(1)	.....	.....	.....	.....	(1)	.....	.....	.....	.....	.....	.....
20 to 24 years.....	4	2	.....	(1)	.....	3	3	.....	(1)	.....	.....	.....	.....	.....	.....
25 to 29 years.....	.....	.....	.....	.....	.....	3	2	1	(1)	(1)	7	5	1	(1)	(1)
30 to 34 years.....	2	2	.....	(1)	.....	3	3	.....	(1)	.....	3	2	.....	(1)	.....
35 to 39 years.....	3	2	.....	(1)	.....	6	5	.....	(1)	.....	6	4	.....	(1)	.....
40 to 44 years.....	1	1	.....	(1)	.....	3	2	.....	(1)	.....	1	1	.....	(1)	.....
45 to 54 years.....	6	2	.....	(1)	.....	4	1	.....	(1)	.....	4	2	.....	(1)	.....
55 to 64 years.....	6	1	1	(1)	(1)	3	.....	.....	.....	.....	5	.....	.....	.....	.....
65 to 74 years.....	8	2	1	(1)	(1)	3	.....	.....	.....	.....	4	.....	.....	.....	.....
75 years and over.....	3	.....	.....	.....	.....	5	.....	.....	.....	.....	6	.....	.....	.....	.....

1 Per cent not shown where deaths from all causes are less than 10.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

(This table excludes the deaths of soldiers, sailors, and marines.)

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—		Per cent.			Number of deaths from—		Per cent.			Number of deaths from—		Per cent.		
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Extraction of minerals.....	288	168	11	58.3	3.8	171	106	6	62.0	3.5	18	6	.....	33.3	.....
10 to 14 years.....	2	.....	.....	.....	.....	9	6	.....	(1)	.....	1	1	.....	(1)	.....
15 to 19 years.....	19	16	.....	84.2	.....	13	10	1	76.9	7.7	4	1	.....	(1)	.....
20 to 24 years.....	26	18	2	69.2	7.7	23	16	1	69.6	4.3	3	3	.....	(1)	.....
25 to 29 years.....	42	31	2	73.8	4.8	36	29	1	80.6	2.8	2	2	.....	(1)	.....
30 to 34 years.....	52	38	4	73.1	7.7	29	23	2	79.3	6.9	1	1	.....	(1)	.....
35 to 39 years.....	37	23	.....	62.2	.....	13	10	.....	76.9	.....	3	1	.....	(1)	.....
40 to 44 years.....	31	15	1	48.4	3.2	20	8	.....	40.0	.....	2	1	.....	(1)	.....
45 to 54 years.....	33	16	1	48.5	3.0	17	4	1	23.5	5.9	2	2	.....	(1)	.....
55 to 64 years.....	29	8	1	27.6	3.4	8	.....	.....	.....	.....	2	.....	.....	.....	.....
65 to 74 years.....	13	3	.....	23.1	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
75 years and over.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coal mine operatives.....	151	88	4	58.3	2.6	53	32	2	60.4	3.8	2	1	.....	(1)	.....
10 to 14 years.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15 to 19 years.....	9	7	.....	(1)	.....	4	2	.....	(1)	.....	.....	.....	.....	.....	.....
20 to 24 years.....	14	9	1	64.3	7.1	1	1	.....	(1)	.....	.....	.....	.....	.....	.....
25 to 29 years.....	23	17	.....	73.9	.....	8	6	.....	(1)	.....	.....	.....	.....	.....	.....
30 to 34 years.....	28	24	2	85.7	7.1	7	6	.....	(1)	.....	1	1	.....	(1)	.....
35 to 39 years.....	15	9	.....	60.0	.....	11	8	1	72.7	9.1	.....	.....	.....	.....	.....
40 to 44 years.....	21	11	1	52.4	4.8	5	3	.....	(1)	.....	.....	.....	.....	.....	.....
45 to 54 years.....	16	7	.....	43.8	.....	6	3	.....	(1)	.....	.....	.....	.....	.....	.....
55 to 64 years.....	19	4	.....	21.1	.....	8	3	1	(1)	(1)	.....	.....	.....	.....	.....
65 to 74 years.....	3	.....	.....	.....	.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....
75 years and over.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other mine operatives and quarry operatives.....	130	80	7	61.5	5.4	94	55	4	58.5	4.3	16	5	.....	31.3	.....
10 to 14 years.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15 to 19 years.....	10	9	.....	90.0	.....	3	2	.....	(1)	.....	.....	.....	.....	.....	.....
20 to 24 years.....	12	9	1	75.0	8.3	10	7	1	70.0	10.0	1	1	.....	(1)	.....
25 to 29 years.....	18	14	2	77.8	11.1	12	7	1	58.3	8.3	4	2	.....	(1)	.....
30 to 34 years.....	22	14	2	63.6	9.1	24	19	1	79.2	4.2	2	2	.....	(1)	.....
35 to 39 years.....	22	14	.....	63.6	.....	13	10	1	76.9	7.7	2	2	.....	(1)	.....
40 to 44 years.....	10	4	.....	40.0	.....	6	5	.....	(1)	.....	1	1	.....	(1)	.....
45 to 54 years.....	17	9	1	52.9	5.9	11	4	.....	36.4	.....	3	1	.....	(1)	.....
55 to 64 years.....	8	4	1	(1)	(1)	8	1	.....	(1)	.....	2	.....	.....	.....	.....
65 to 74 years.....	8	3	.....	(1)	.....	6	.....	.....	.....	.....	1	.....	.....	.....	.....
75 years and over.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other extraction of minerals.....	7	.....	.....	.....	.....	24	19	.....	79.2	.....	.....	.....	.....	.....	.....
15 to 19 years.....	.....	.....	.....	.....	.....	2	2	.....	(1)	.....	.....	.....	.....	.....	.....
20 to 24 years.....	.....	.....	.....	.....	.....	2	2	.....	(1)	.....	.....	.....	.....	.....	.....
25 to 29 years.....	1	.....	.....	.....	.....	3	3	.....	(1)	.....	.....	.....	.....	.....	.....
30 to 34 years.....	2	.....	.....	.....	.....	5	4	.....	(1)	.....	.....	.....	.....	.....	.....
35 to 39 years.....	.....	.....	.....	.....	.....	5	5	.....	(1)	.....	.....	.....	.....	.....	.....
40 to 44 years.....	.....	.....	.....	.....	.....	2	2	.....	(1)	.....	.....	.....	.....	.....	.....
45 to 54 years.....	.....	.....	.....	.....	.....	3	1	.....	(1)	.....	.....	.....	.....	.....	.....
55 to 64 years.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
65 to 74 years.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75 years and over.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manufacturing and mechanical industries.....	2,695	1,406	89	52.2	3.3	1,265	759	28	60.0	2.2	4,514	2,999	104	66.4	2.3
10 to 14 years.....	6	4	1	(1)	(1)	3	2	1	(1)	(1)	3	2	.....	(1)	.....
15 to 19 years.....	156	112	9	71.8	5.8	98	74	3	75.5	3.1	196	162	2	82.7	1.0
20 to 24 years.....	205	154	6	75.1	2.9	133	108	4	81.2	3.0	396	324	11	81.8	2.8
25 to 29 years.....	367	291	18	79.3	4.9	198	160	6	80.8	3.0	759	660	6	87.0	0.8
30 to 34 years.....	386	311	10	80.6	2.6	208	162	6	77.9	2.9	797	689	15	86.4	1.9
35 to 39 years.....	312	211	14	67.6	4.5	135	105	1	77.8	0.7	607	484	13	79.7	2.1
40 to 44 years.....	204	104	5	51.0	2.5	83	52	1	62.7	1.2	377	227	13	60.2	3.4
45 to 54 years.....	328	103	11	31.4	3.4	117	42	2	35.9	1.7	579	259	16	44.7	2.8
55 to 64 years.....	280	60	6	21.4	2.1	104	22	.....	21.2	.....	425	105	16	24.7	3.8
65 to 74 years.....	296	38	7	12.8	2.4	117	23	2	19.7	1.7	254	70	8	27.6	3.1
75 years and over.....	149	17	2	11.4	1.3	67	9	2	13.4	3.0	121	17	4	14.0	3.3
Unknown age.....	6	1	.....	(1)	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bakers.....	21	9	2	42.9	9.5	13	9	.....	69.2	.....	67	41	2	61.2	3.0
15 to 19 years.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	.....	(1)	.....
20 to 24 years.....	6	1	.....	(1)	.....	7	6	.....	(1)	.....	5	3	1	(1)	(1)
25 to 29 years.....	2	5	.....	(1)	.....	.....	.....	.....	.....	.....	11	9	.....	81.8	.....
30 to 34 years.....	3	1	2	(1)	(1)	3	1	.....	(1)	.....	13	12	1	92.3	7.7
35 to 39 years.....	.....	.....	.....	.....	.....	1	1	.....	(1)	.....	7	4	.....	(1)	.....
40 to 44 years.....	1	.....	.....	.....	.....	1	1	.....	(1)	.....	8	7	.....	(1)	.....
45 to 54 years.....	3	1	.....	(1)	.....	.....	.....	.....	.....	.....	11	3	.....	27.3	.....
55 to 64 years.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	7	1	.....	(1)	.....
65 to 74 years.....	2	1	.....	(1)	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
75 years and over.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....

1 Per cent not shown where deaths from all causes are less than 10.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—		Per cent.			Number of deaths from—		Per cent.			Number of deaths from—		Per cent.		
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Manufacturing and mechanical industries—Continued.															
Blacksmiths, forgers, and hammermen.	75	30		40.0		29	16		55.2		63	36	5	57.1	7.9
15 to 19 years.	2	1		(1)		3	3		(1)		2	1		(1)	
20 to 24 years.	4	3		(1)											
25 to 29 years.	11	9		81.8		4	3		(1)		11	9		81.8	
30 to 34 years.	6	5		(1)		3	3		(1)		14	14		100.0	
35 to 39 years.	6	5		(1)		2	2		(1)		6	4		(1)	
40 to 44 years.	5	2		(1)		2	2		(1)		5	4	1	(1)	(1)
45 to 54 years.	4					4	2		(1)		8	2	1	(1)	(1)
55 to 64 years.	13	3		23.1		3					6	2		(1)	
65 to 74 years.	12					5					6		2	(1)	(1)
75 years and over.	11	2		18.2		3	1		(1)		5		1	(1)	(1)
Unknown age.	1														
Carpenters.	160	55	3	34.4	1.9	93	38	2	40.9	2.2	172	102	5	59.3	3.5
15 to 19 years.	3	3		(1)		1	1		(1)		3	3		(1)	
20 to 24 years.	3	3		(1)							10	9		90.0	
25 to 29 years.	9	7		(1)		13	10	1	76.9	7.7	23	20	1	87.0	4.3
30 to 34 years.	13	11		84.6		15	13		86.7		30	23	2	76.7	6.7
35 to 39 years.	18	11	1	61.1	5.6	8	5		(1)		23	21		91.3	
40 to 44 years.	9	3		(1)		4	1		(1)		10	5		50.0	
45 to 54 years.	16	8	1	50.0	6.3	11	1		9.1		31	10	1	32.3	3.2
55 to 64 years.	27	6		22.2		11	3		27.3		23	6	1	26.1	4.3
65 to 74 years.	34	3	1	8.8	2.9	21	4		19.0		10	3		30.0	
75 years and over.	31	3		9.7		9		1	(1)		9	2		(1)	
Compositors, printers, and pressmen.	17	10	2	58.8	11.8	5	3		(1)		67	38	7	56.7	10.4
15 to 19 years.	3	2		(1)							1	1		(1)	
20 to 24 years.	1	1		(1)		1	1		(1)		5	4	1	(1)	(1)
25 to 29 years.	1		1	(1)							9	8		(1)	
30 to 34 years.	2	2		(1)		2	2		(1)		14	13		92.9	
35 to 39 years.	2	1		(1)							5	5		(1)	
40 to 44 years.	3	2	1	(1)	(1)	1					4	2		(1)	
45 to 54 years.	3	2		(1)							14	4	3	28.6	21.4
55 to 64 years.	1					1					11	1	3	9.1	27.3
65 to 74 years.											1				
75 years and over.	1										3				
Electricians and electrical engineers.	26	15		57.7		18	10		55.6		75	55	2	73.3	2.7
15 to 19 years.						3	2		(1)		7	6		(1)	
20 to 24 years.	4	3		(1)		2					11	7	1	63.6	9.1
25 to 29 years.	8	5		(1)		5	4		(1)		23	21	1	91.3	4.3
30 to 34 years.	6	5		(1)		2	1		(1)		12	11		91.7	
35 to 39 years.	5	2		(1)		3	3		(1)		6	6		(1)	
40 to 44 years.	1					1					5	3		(1)	
45 to 54 years.	1					1					5	1		(1)	
55 to 64 years.						1					5				
65 to 74 years.	1										1				
Engineers (stationary) and firemen (except locomotive and fire department).	60	32	4	53.3	6.7	30	19	1	63.3	3.3	113	78		69.0	
15 to 19 years.	1	1		(1)		1	1		(1)		3	2		(1)	
20 to 24 years.	3	2		(1)		4	3		(1)		9	6		(1)	
25 to 29 years.	5	3	1	(1)	(1)	7	5		(1)		23	22		95.7	
30 to 34 years.	11	9	1	81.8	9.1	5	1	1	(1)	(1)	23	20		87.0	
35 to 39 years.	7	4	1	(1)	(1)	2	2		(1)		14	11		78.6	
40 to 44 years.	9	6	1	(1)	(1)	4	4		(1)		12	7		58.3	
45 to 54 years.	10	6		60.0		1					14	7		50.0	
55 to 64 years.	5					2	1		(1)		5				
65 to 74 years.	9	1		(1)		3	2		(1)		9	2		(1)	
75 years and over.						1	2				1	1		(1)	
Foremen and overseers (manufacturing).	37	25		67.6		16	10		62.5		70	48	1	68.6	1.4
15 to 19 years.											1	1		(1)	
20 to 24 years.	3	2		(1)							4	4		(1)	
25 to 29 years.	5	4		(1)		5	5		(1)		11	10		90.9	
30 to 34 years.	10	9		90.0		4	3		(1)		17	13		76.5	
35 to 39 years.	5	5		(1)		2	1		(1)		8	7		(1)	
40 to 44 years.	2					1			(1)		9	6	1	(1)	(1)
45 to 54 years.	8	5		(1)		1	1		(1)		7	4		(1)	
55 to 64 years.	2										6	3		(1)	
65 to 74 years.	2					3					5				
75 years and over.											2				

1 Per cent not shown where deaths from all causes are less than 10.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—			Per cent.		Number of deaths from—			Per cent.		Number of deaths from—			Per cent.	
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Manufacturing and mechanical industries—Continued.															
Laborers in building and hand trades.	1,201	612	38	51.0	3.2	606	393	12	64.9	2.0	1,515	1,012	25	66.8	1.7
10 to 14 years.	5	3	1	(1)	(1)	2	2		(1)		72	57	1	79.2	1.4
15 to 19 years.	98	73	7	74.5	7.1	67	54	1	80.6	1.5	142	114	2	80.3	1.4
20 to 24 years.	114	87	3	76.3	2.6	77	62	2	80.5	2.6	231	192	2	83.1	0.9
25 to 29 years.	152	113	6	74.3	3.9	94	74	4	78.7	4.2	259	217	3	83.8	1.2
30 to 34 years.	151	116	2	76.8	1.3	92	75	1	81.5	1.1	225	179	4	79.6	1.8
35 to 39 years.	123	83	6	67.5	4.9	62	46		74.2		149	94	3	63.1	2.0
40 to 44 years.	78	39	1	50.0	1.3	44	28	1	63.6	2.3	203	97	4	47.8	2.0
45 to 54 years.	164	48	5	29.3	3.0	60	23	2	38.3	3.3	133	37	5	27.8	3.8
55 to 64 years.	127	26	3	20.5	2.4	52	13		25.0		78	25		32.1	
65 to 74 years.	135	16	3	11.9	2.2	35	12	1	34.3	2.9	23		1		4.3
75 years and over.	52	7	1	13.5	1.9	20	4		20.0						
Unknown age.	2	1		(1)		1									
Laborers in other industries.	253	168	6	66.4	2.4	20	15	2	75.0	10.0	101	80	2	79.2	2.0
15 to 19 years.	18	11		61.1		1	1		(1)		6	6		(1)	
20 to 24 years.	24	20		83.3		2	2		(1)		9	9		(1)	
25 to 29 years.	36	32		88.9		1	1		(1)		16	15		93.8	
30 to 34 years.	47	36	2	76.6	4.3	8	6	1	(1)	(1)	18	16		88.9	
35 to 39 years.	45	34	4	75.6	8.9	4	3		(1)	(1)	22	19	1	86.4	4.5
40 to 44 years.	34	18		52.9							9	8		(1)	
45 to 54 years.	24	11		45.8		2	1		(1)		8	5		(1)	
55 to 64 years.	18	5		27.8							9	1	1	(1)	(1)
65 to 74 years.	5	1		(1)							4	1		(1)	
75 years and over.	2					1	1		(1)						
Unknown age.						1									
Machinists, millwrights, and tool makers.	150	103	6	68.7	4.0	31	21	2	67.7	6.5	360	264	8	73.3	2.2
15 to 19 years.	9	6		(1)		3	3		(1)		22	20		90.9	
20 to 24 years.	18	13	1	72.2	5.6	2	1	1	(1)	(1)	35	29	2	82.9	5.7
25 to 29 years.	34	29	2	85.3	5.9	4	3		(1)		86	73		84.9	
30 to 34 years.	36	31	1	86.1	2.8	10	7	1	70.0	10.0	78	71	1	91.0	1.3
35 to 39 years.	19	14	1	73.7	5.3	3	3		(1)		44	34	2	77.3	4.5
40 to 44 years.	8	2		(1)		2	2		(1)		27	12	1	44.4	3.7
45 to 54 years.	15	4	1	26.7	6.7	1	1		(1)		39	14		35.9	
55 to 64 years.	4	2		(1)		3	1		(1)		16	7	1	43.8	6.3
65 to 74 years.	6	2		(1)		1					8	3		(1)	(1)
75 years and over.	1					2					5	1	1	(1)	(1)
Manufacturers, officials, managers, and superintendents.	65	37	1	56.9	1.5	12	4		33.3		115	55	10	47.8	8.7
15 to 19 years.	1	1		(1)							2	1		(1)	
20 to 24 years.	8	8		(1)							8	5	1	(1)	(1)
25 to 29 years.	12	7		58.3		3	2		(1)		8	6		(1)	
30 to 34 years.	12	11	1	91.7	(1)						21	16	3	76.2	14.3
35 to 39 years.	9	7		(1)		4	2		(1)		18	16	1	88.9	5.6
40 to 44 years.	5	3		(1)							9	3	1	(1)	(1)
45 to 54 years.	6	1		(1)							13	5	1	38.5	7.7
55 to 64 years.	16	6		37.5		2					17	1	2	5.9	11.8
65 to 74 years.	4					2					11	2		18.2	
75 years and over.	4					1					8		1		(1)
Mechanics (not otherwise stated).	34	24		70.6		34	29	2	85.3	5.8	70	56		80.0	
15 to 19 years.	1	1		(1)		5	4		(1)		11	10		90.9	
20 to 24 years.	3	3		(1)		6	6		(1)		14	13		92.9	
25 to 29 years.	10	9		90.0		7	7		(1)		17	16		94.1	
30 to 34 years.	10	8		80.0		10	9	1	90.0	10.0	9	8		(1)	
35 to 39 years.	2	1		(1)		2	2		(1)		5	3		(1)	
40 to 44 years.	4	2		(1)		1	1		(1)		2	2		(1)	
45 to 54 years.											8	4		(1)	
55 to 64 years.	2					1					2				
65 to 74 years.						1					1				
75 years and over.	2					1		1	(1)		1				
Molders, founders, and casters (metal).	55	40	2	72.7	3.6	3	2		(1)		51	37	2	72.5	3.9
15 to 19 years.	1	1		(1)							4	4		(1)	
20 to 24 years.	2	2		(1)							5	5		(1)	
25 to 29 years.	11	10	1	90.9	9.1	2	1		(1)		10	8		80.0	
30 to 34 years.	16	14		87.5		1	1		(1)		9	8		(1)	
35 to 39 years.	7	5		(1)							7	4	1	(1)	(1)
40 to 44 years.	5	4		(1)							6	4	1	(1)	(1)
45 to 54 years.	8	4	1	(1)	(1)						4	2		(1)	
55 to 64 years.	2										4	1		(1)	
65 to 74 years.	2										2			(1)	
75 years and over.	1										2	1		(1)	

<sup>1</sup> Per cent not shown where deaths from all causes are less than 10.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—			Per cent.		Number of deaths from—			Per cent.		Number of deaths from—			Per cent.	
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Manufacturing and mechanical industries—Continued.															
Painters, glaziers, varnishers, enamelers, etc.	69	36	2	52.2	2.9	37	15		40.5		109	66	4	60.6	3.7
15 to 19 years.	1	1		(1)		1	1		(1)		1	1		(1)	
20 to 24 years.	1	1		(1)		1	1		(1)		4	3		(1)	
25 to 29 years.	10	7	1	70.0	10.0	5	5		(1)		11	10		90.9	
30 to 34 years.	6	5		(1)		7	4		(1)		23	19	1	82.6	4.3
35 to 39 years.	11	8		72.7		4	2		(1)		21	16	1	76.2	4.8
40 to 44 years.	5	4	1	(1)	(1)	1					12	7	1	58.3	8.3
45 to 54 years.	9	4		(1)		7	1		(1)		11	4		36.4	
55 to 64 years.	9	2		(1)		6					12	3	1	25.0	8.3
65 to 74 years.	16	5		31.3		5	2		(1)		13	3		23.1	
75 years and over.	2										1				
Plumbers and gas and steam fitters.	23	12	2	52.2	8.7	11	10		90.9		113	86		76.1	
15 to 19 years.						1	1		(1)		2	2		(1)	
20 to 24 years.	2	2		(1)		1	1		(1)		12	10		83.3	
25 to 29 years.	1	1		(1)		3	3		(1)		32	30		93.8	
30 to 34 years.	4	3		(1)		3	3		(1)		23	22		95.7	
35 to 39 years.	4	4		(1)		2	2		(1)		13	11		84.6	
40 to 44 years.	3	2		(1)							4	1		(1)	
45 to 54 years.	5		1	(1)	(1)	1					17	7		41.2	
55 to 64 years.	2			(1)							5	1		(1)	
65 to 74 years.	2										1	1		(1)	
75 years and over.											4	1		(1)	
Semiskilled operatives, iron and steel industries.	95	63	3	66.3	3.2	36	27		75.0		251	175	9	69.7	3.6
15 to 19 years.	10	6	1	60.0	10.0						14	10		71.4	
20 to 24 years.	8	6		(1)		5	5		(1)		31	26	1	83.9	3.2
25 to 29 years.	25	24		96.0		7	6		(1)		53	46	1	86.8	1.9
30 to 34 years.	15	13	1	86.7	6.7	11	8		72.7		53	46	2	86.8	3.8
35 to 39 years.	9	7		(1)		7	6		(1)		25	18	2	72.0	8.0
40 to 44 years.	6	3		(1)		2	1		(1)		21	13		61.9	
45 to 54 years.	8	1		(1)		3	1		(1)		22	10	3	45.5	13.6
55 to 64 years.	5	1	1	(1)	(1)	1					15	4		22.2	
65 to 74 years.	9	2		(1)							11	2		18.2	
75 years and over.											3				
Semiskilled operatives, other industries.	115	45	8	39.1	6.9	111	49	4	44.1	3.6	657	449	7	68.3	1.1
10 to 14 years.	1	1		(1)		1	1		(1)		2	1		(1)	
15 to 19 years.	6	5		(1)		5			(1)		32	28	1	87.5	3.1
20 to 24 years.	10	3	2	30.0	20.0	14	9	1	64.3	7.1	55	48	1	87.3	1.8
25 to 29 years.	13	7	3	53.8	23.1	15	11	1	73.3	6.7	103	90	1	87.4	1.0
30 to 34 years.	9	8		(1)		11	7		63.6		105	91	1	86.7	1.0
35 to 39 years.	16	9		56.3		13	10		76.9		100	79	1	79.0	1.0
40 to 44 years.	7	4		(1)		10	6		60.0		35	24		68.6	
45 to 54 years.	17	3	1	17.6	5.9	11	4		36.4		93	50		53.8	
55 to 64 years.	12	3		25.0		5					68	19		27.9	
65 to 74 years.	14	2		14.3		19	2		10.5		39	14	2	35.9	5.1
75 years and over.	8		1	(1)		7					25	5		20.0	
Unknown age.	2														
Shoemakers and cobblers and shoe factory operatives.	21	5	1	23.8	4.8	14	5		35.7		55	32	5	58.2	9.1
15 to 19 years.	1	1		(1)					(1)		3	3		(1)	
20 to 24 years.						1	1		(1)		2		1	(1)	
25 to 29 years.		1		(1)		1			(1)		4	3		(1)	
30 to 34 years.											6	6		(1)	
35 to 39 years.	2	1		(1)		2	1		(1)		6	5		(1)	
40 to 44 years.	2					2					5	5		(1)	
45 to 54 years.	1					1	2		(1)		10	5	1	50.0	10.0
55 to 64 years.	3					1			(1)		8	1	1	(1)	(1)
65 to 74 years.	7	1	1	(1)	(1)	3					9	3	2	(1)	(1)
75 years and over.	3	1		(1)		3					2	1		(1)	
Unknown age.	1														
Tailors.	14	9		64.3		7	3		(1)		110	78	4	70.9	3.6
15 to 19 years.											1	1		(1)	
20 to 24 years.											18	15		83.3	
25 to 29 years.	3	2		(1)		1	1		(1)		27	24		88.9	
30 to 34 years.	3	3		(1)		2	2		(1)		15	14		93.3	
35 to 39 years.											10	9		90.0	
40 to 44 years.	1	1		(1)							12	6	2	50.0	16.7
45 to 54 years.						1					9	5		(1)	
55 to 64 years.	2	1		(1)							11	3	1	27.3	9.1
65 to 74 years.						2					4	1		(1)	(1)
75 years and over.	4	2		(1)		1					3				

1 Per cent not shown where deaths from all causes are less than 10.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—		Per cent.			Number of deaths from—		Per cent.			Number of deaths from—		Per cent.		
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Manufacturing and mechanical industries—Continued.															
Other manufacturing and mechanical industries.....	201	76	9	37.3	4.4	139	81	3	58.3	2.2	380	211	6	55.5	1.6
10 to 14 years.....	4	3	(1)	(1)	(1)	7	4	1	(1)	(1)	11	7	(1)	63.6	(1)
15 to 19 years.....	3	2	(1)	(1)	(1)	10	10	(1)	100.0	(1)	18	15	(1)	83.3	(1)
20 to 24 years.....	18	15	3	83.3	16.7	21	18	(1)	85.7	(1)	55	51	(1)	92.7	(1)
25 to 29 years.....	26	21	1	80.8	3.8	19	16	1	84.2	5.3	54	49	1	90.7	1.9
30 to 34 years.....	21	9	(1)	42.9	(1)	14	14	(1)	100.0	(1)	40	29	1	72.5	2.5
35 to 39 years.....	17	10	1	58.8	5.9	7	4	(1)	(1)	(1)	32	14	2	43.8	6.3
40 to 44 years.....	24	4	1	16.7	4.2	12	7	(1)	58.3	(1)	50	18	1	36.0	2.0
45 to 54 years.....	30	6	1	20.0	3.3	14	4	(1)	28.6	(1)	59	13	(1)	22.0	(1)
55 to 64 years.....	35	4	2	11.4	5.7	17	1	1	5.9	5.9	38	9	1	23.7	2.6
65 to 74 years.....	26	2	(1)	7.7	(1)	18	3	(1)	16.7	(1)	22	5	(1)	22.7	(1)
75 years and over.....															
Transportation.....	462	255	21	55.2	4.5	351	221	10	63.0	2.8	646	432	15	66.9	2.3
10 to 14 years.....	1	1	(1)	(1)	(1)	16	13	(1)	81.3	(1)	32	24	1	75.0	3.1
15 to 19 years.....	18	17	(1)	94.4	(1)	16	13	(1)	81.3	(1)	32	24	1	75.0	3.1
20 to 24 years.....	46	31	5	67.4	10.9	35	30	(1)	85.7	(1)	77	65	1	84.4	1.3
25 to 29 years.....	64	49	6	76.6	9.4	66	52	3	78.8	4.5	134	118	5	88.1	3.7
30 to 34 years.....	81	63	1	77.8	1.2	69	55	3	79.7	4.3	97	85	2	87.6	2.1
35 to 39 years.....	73	51	3	69.9	4.1	56	38	2	67.9	3.6	87	68	3	78.2	3.4
40 to 44 years.....	37	20	1	54.1	2.7	18	11	(1)	61.1	(1)	50	24	1	48.0	2.0
45 to 54 years.....	55	13	1	23.6	1.8	36	12	(1)	33.3	(1)	63	28	(1)	44.4	(1)
55 to 64 years.....	50	4	3	8.0	6.0	29	8	1	27.6	3.4	58	10	1	17.2	1.7
65 to 74 years.....	24	4	(1)	16.7	(1)	20	1	1	5.0	5.0	33	7	1	21.2	3.0
75 years and over.....	12	1	1	8.3	8.3	5	1	(1)	(1)	(1)	15	3	(1)	20.0	(1)
Unknown age.....	1	1	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Carriage and hack drivers, draymen, teamsters, and expressmen.....	76	41	4	53.9	5.3	46	31	2	67.4	4.4	153	92	6	60.1	3.9
15 to 19 years.....	8	8	(1)	(1)	(1)	4	4	(1)	(1)	(1)	10	7	1	70.0	10.0
20 to 24 years.....	9	7	2	(1)	(1)	5	5	(1)	(1)	(1)	15	10	1	66.7	6.7
25 to 29 years.....	4	4	(1)	(1)	(1)	19	7	1	70.0	10.0	33	29	(1)	87.9	(1)
30 to 34 years.....	12	8	(1)	66.7	(1)	8	6	1	(1)	(1)	19	15	(1)	78.9	(1)
35 to 39 years.....	10	6	1	60.0	10.0	4	3	(1)	(1)	(1)	28	19	2	67.9	7.1
40 to 44 years.....	5	4	(1)	(1)	(1)	2	2	(1)	(1)	(1)	12	4	1	33.3	8.3
45 to 54 years.....	12	3	(1)	25.0	(1)	2	1	(1)	(1)	(1)	15	5	(1)	33.3	(1)
55 to 64 years.....	7	(1)	(1)	(1)	(1)	6	3	(1)	(1)	(1)	13	2	(1)	15.4	(1)
65 to 74 years.....	6	1	(1)	(1)	(1)	4	(1)	(1)	(1)	(1)	5	5	(1)	(1)	(1)
75 years and over.....	3	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	3	1	(1)	(1)	(1)
Conductors, brakemen, foremen, overseers, etc. (steam and street railroads).....	71	39	5	54.9	7.1	42	27	(1)	64.3	(1)	75	52	(1)	69.3	(1)
15 to 19 years.....	3	3	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
20 to 24 years.....	6	2	2	(1)	(1)	2	1	(1)	(1)	(1)	7	5	(1)	(1)	(1)
25 to 29 years.....	13	8	2	61.5	15.4	10	9	(1)	90.0	(1)	18	14	(1)	77.8	(1)
30 to 34 years.....	13	10	(1)	76.9	(1)	10	7	(1)	70.0	(1)	15	14	(1)	93.3	(1)
35 to 39 years.....	13	12	(1)	92.3	(1)	7	6	(1)	(1)	(1)	11	9	(1)	81.8	(1)
40 to 44 years.....	3	(1)	(1)	(1)	(1)	3	2	(1)	(1)	(1)	4	3	(1)	(1)	(1)
45 to 54 years.....	9	2	(1)	(1)	(1)	5	1	(1)	(1)	(1)	10	4	(1)	40.0	(1)
55 to 64 years.....	8	1	1	(1)	(1)	3	1	(1)	(1)	(1)	6	2	(1)	(1)	(1)
65 to 74 years.....	2	1	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
75 years and over.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2	1	(1)	(1)	(1)
Garage keepers, managers, and chauffeurs.....	24	13	1	54.2	4.2	14	9	(1)	64.3	(1)	124	111	3	89.7	2.4
15 to 19 years.....	1	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	11	9	(1)	81.8	(1)
20 to 24 years.....	4	3	(1)	(1)	(1)	2	1	(1)	(1)	(1)	30	29	(1)	96.7	(1)
25 to 29 years.....	1	(1)	(1)	(1)	(1)	4	3	(1)	(1)	(1)	45	41	2	91.1	4.4
30 to 34 years.....	3	2	(1)	(1)	(1)	3	3	(1)	(1)	(1)	21	18	1	85.7	5.0
35 to 39 years.....	7	5	(1)	(1)	(1)	4	2	(1)	(1)	(1)	11	9	(1)	81.8	(1)
40 to 44 years.....	4	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3	3	(1)	(1)	(1)
45 to 54 years.....	3	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	2	2	(1)	(1)	(1)
55 to 64 years.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
65 to 74 years.....	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
75 years and over.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Unknown age.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Laborers (steam and street railroads).....	81	46	2	56.8	1.3	89	60	3	67.4	3.4	31	20	(1)	64.5	(1)
10 to 14 years.....	1	1	(1)	(1)	(1)	8	7	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
15 to 19 years.....	5	5	(1)	(1)	(1)	17	12	1	70.6	5.9	3	3	(1)	(1)	(1)
20 to 24 years.....	5	3	(1)	(1)	(1)	14	13	(1)	92.9	(1)	7	6	(1)	(1)	(1)
25 to 29 years.....	11	8	1	72.7	9.1	12	10	(1)	83.3	(1)	7	6	(1)	(1)	(1)
30 to 34 years.....	14	12	1	85.7	7.1	13	10	1	76.9	7.7	7	6	(1)	(1)	(1)
35 to 39 years.....	12	7	(1)	58.3	(1)	8	4	(1)	(1)	(1)	5	2	(1)	(1)	(1)
40 to 44 years.....	8	3	(1)	(1)	(1)	3	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
45 to 54 years.....	11	4	(1)	36.4	(1)	6	3	1	(1)	(1)	3	2	(1)	(1)	(1)
55 to 64 years.....	10	3	(1)	30.0	(1)	7	1	(1)	(1)	(1)	3	(1)	(1)	(1)	(1)
65 to 74 years.....	3	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
75 years and over.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Unknown age.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

1 Per cent not shown where deaths from all causes are less than 10.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—		Per cent.			Number of deaths from—		Per cent.			Number of deaths from—		Per cent.		
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Transportation—Continued.															
Locomotive engineers, firemen, motor-men, switchmen, flagmen, and yardmen.....	118	74	5	62.3	4.7	97	50	2	51.5	2.1	138	82	3	59.4	2.2
15 to 19 years.....						2	1	(1)	(1)		3	3	(1)	(1)	
20 to 24 years.....	10	8	1	80.0	10.0	8	6	(1)	(1)		9	8	(1)	(1)	
25 to 29 years.....	24	20	2	83.3	8.3	13	10	1	76.9	7.7	17	16	1	94.1	5.9
30 to 34 years.....	27	23		85.2		18	15		83.3		19	17	1	89.4	5.3
35 to 39 years.....	17	10	1	58.8	5.9	20	11		55.0		16	15		93.8	
40 to 44 years.....	5	5		(1)		3	1		(1)		14	7		50.0	
45 to 54 years.....	14	4	1	28.6	7.1	15	5		33.3		21	9		42.9	
55 to 64 years.....	8					9					20	3	1	15.0	5.0
65 to 74 years.....	9	2		(1)		6	1		(1)		13	4		30.8	
75 years and over.....	3	1		(1)		3	1		(1)		6				
Unknown age.....	1	1		(1)											
Other transportation pursuits.....	92	42	4	45.7	4.3	63	44	3	69.8	4.8	125	75	3	60.0	2.4
15 to 19 years.....	1					1	1		(1)		7	5		(1)	
20 to 24 years.....	12	8		66.7		4	4		(1)		13	10		76.9	
25 to 29 years.....	11	9		81.8		12	11		91.7		20	17	2	85.0	10.0
30 to 34 years.....	12	8		66.7		18	14	2	77.8	11.1	16	15		93.8	
35 to 39 years.....	14	11	1	78.6	7.1	8	6	1	(1)	(1)	14	10	1	71.4	7.1
40 to 44 years.....	12	6	1	50.0	8.3	2	2		(1)		12	5		41.7	
45 to 54 years.....	6					11	5		45.5		14	8		57.1	
55 to 64 years.....	16		2	12.5		5	1		(1)		15	3		20.0	
65 to 74 years.....	4					1					11	1		9.1	
75 years and over.....	4					1					3	1		(1)	
Trade.....	452	216	14	47.8	3.1	296	186	5	62.8	1.7	755	463	22	61.3	2.9
10 to 14 years.....	1														
15 to 19 years.....	11	10		90.9		5	3	1	(1)	(1)	14	11		78.6	
20 to 24 years.....	22	15		68.2		12	10		83.3		60	51		85.0	
25 to 29 years.....	60	44	3	73.3	5.0	41	38		92.7		124	110	2	88.7	1.6
30 to 34 years.....	53	43	5	81.1	9.4	67	62		92.5		133	121	2	91.0	1.5
35 to 39 years.....	56	44	2	78.6	3.6	38	31	1	81.6	2.6	85	65	3	76.5	3.5
40 to 44 years.....	33	24		72.7		29	21		72.4		50	32	2	64.0	4.0
45 to 54 years.....	59	20	3	33.9	5.1	30	13		43.3		101	41	3	40.6	3.0
55 to 64 years.....	57	6	1	10.5	1.8	32	6	1	18.8	3.1	108	18	8	16.7	7.4
65 to 74 years.....	70	7		10.0		26	2	2	7.7	7.7	61	12	1	19.7	1.6
75 years and over.....	30	3		10.0		16					17		1		5.9
Unknown age.....											2	2		(1)	
R tail dealers.....	250	107	8	42.8	3.2	152	88	3	57.9	2.0	329	199	11	60.5	3.3
15 to 19 years.....	1					1		1	(1)	(1)	8	6		(1)	
20 to 24 years.....	11	7		63.6		7	6		(1)		25	21		84.0	
25 to 29 years.....	31	24	2	77.4	6.5	21	20		95.2		48	43	1	89.6	2.1
30 to 34 years.....	24	21	2	87.5	8.3	31	29		93.5		49	44	1	89.8	2.0
35 to 39 years.....	26	20	1	76.9	3.8	15	12		80.0		36	30	2	83.3	5.6
40 to 44 years.....	17	10		58.8		16	10		62.5		26	17	2	65.4	7.7
45 to 54 years.....	42	16	2	38.1	4.8	15	5		33.3		39	18		46.2	
55 to 64 years.....	38	3	1	7.9	2.6	20	5		25.0		56	11	4	19.6	7.1
65 to 74 years.....	40	5		12.5		16	1	2	6.3	12.5	30	9	1	30.0	3.3
75 years and over.....	20	1		5.0		10					12				
Salesmen (stores).....	65	34	3	52.3	4.6	40	30	1	75.0	2.5	195	119	4	61.0	2.1
15 to 19 years.....				(1)		2	2		(1)		1	1		(1)	
20 to 24 years.....	14	7		50.0		3	3		(1)		13	11		84.6	
25 to 29 years.....	13	9	1	69.2	7.7	14	13		92		43	37		86.1	
30 to 34 years.....	11	9		81.8		10	7	1	70.0	10.0	33	31		93.9	
35 to 39 years.....	4	4		(1)		1					22	17	1	77.3	4.5
40 to 44 years.....						3	1		(1)		10	6		60.0	
45 to 54 years.....	3			(1)		1					33	11	2	33.3	6.1
55 to 64 years.....	6					1					15	4		26.7	
65 to 74 years.....	1	1		(1)		1					3		1	6.7	(1)
75 years and over.....															
Other trade pursuits.....	137	75	3	54.7	2.2	104	68	1	65.4	1.0	231	145	7	62.8	3.0
10 to 14 years.....	1														
15 to 19 years.....	10	10		100.0		2	1		(1)		5	4		(1)	
20 to 24 years.....	4	4		(1)		2	1		(1)		22	19		86.4	
25 to 29 years.....	15	13		86.7		15	14		93.3		33	30	1	90.9	3.0
30 to 34 years.....	16	13	2	81.3	12.5	22	20		90.9		51	46	1	90.2	2.0
35 to 39 years.....	19	15	1	78.9	5.3	13	12		92.3		27	18		66.7	
40 to 44 years.....	12	10		83.3		12	11		91.7		14	9		64.3	
45 to 54 years.....	11	4		36.4		12	7		58.3		29	12	1	41.4	3.4
55 to 64 years.....	16	3		18.8		12	1	1	8.3	8.3	30	3	4	10.0	13.3
65 to 74 years.....	24	2		8.3		9	1		(1)		16	2		12.5	
75 years and over.....	9	1		(1)		5					2				
Unknown age.....											2	2		(1)	

\* Per cent not shown where deaths from all causes are less than 10.



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—		Per cent.			Number of deaths from—		Per cent.			Number of deaths from—		Per cent.		
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Public service (not elsewhere classified)...	62	25	3	40.3	4.8	24	13	.....	54.2	.....	177	100	4	56.5	2.3
15 to 19 years.....	.....	.....	.....	(1)	.....	2	2	.....	(1)	.....	2	2	.....	(1)	.....
20 to 24 years.....	3	2	.....	(1)	.....	5	5	.....	(1)	.....	6	5	.....	(1)	.....
25 to 29 years.....	6	5	.....	(1)	.....	2	2	.....	(1)	.....	19	17	1	89.5	5.3
30 to 34 years.....	6	4	1	(1)	(1)	2	2	.....	(1)	.....	23	20	1	87.0	4.3
35 to 39 years.....	7	3	.....	(1)	.....	.....	.....	.....	(1)	.....	28	24	1	85.7	3.6
40 to 44 years.....	6	5	.....	(1)	.....	2	2	.....	(1)	.....	18	12	.....	66.7	.....
45 to 54 years.....	11	2	1	18.2	9.1	4	.....	.....	.....	.....	34	11	.....	32.4	.....
55 to 64 years.....	15	2	1	13.3	6.7	5	.....	.....	.....	.....	23	4	.....	17.4	.....
65 to 74 years.....	5	1	.....	(1)	.....	1	.....	.....	.....	.....	20	5	1	25.0	4.0
75 years and over.....	3	1	.....	(1)	.....	1	.....	.....	.....	.....	4	.....	.....	.....	.....
Policemen, guards, watchmen, detectives, etc.....	34	14	2	41.2	5.9	7	2	.....	(1)	.....	146	82	1	56.2	0.7
15 to 19 years.....	.....	.....	.....	(1)	.....	.....	.....	.....	(1)	.....	1	1	.....	(1)	.....
20 to 24 years.....	.....	.....	.....	(1)	.....	.....	.....	.....	(1)	.....	4	3	.....	(1)	.....
25 to 29 years.....	1	1	.....	(1)	.....	1	1	.....	(1)	.....	13	13	.....	100.0	.....
30 to 34 years.....	2	2	.....	(1)	.....	.....	.....	.....	(1)	.....	16	14	.....	87.5	.....
35 to 39 years.....	5	3	.....	(1)	.....	.....	.....	.....	(1)	.....	24	21	.....	87.5	.....
40 to 44 years.....	3	3	.....	(1)	.....	1	1	.....	(1)	.....	16	11	.....	68.8	.....
45 to 54 years.....	8	1	1	(1)	(1)	3	.....	.....	.....	.....	29	10	.....	34.5	.....
55 to 64 years.....	9	2	1	(1)	(1)	1	.....	.....	.....	.....	20	4	.....	20.0	.....
65 to 74 years.....	3	1	.....	(1)	.....	1	.....	.....	.....	.....	20	5	1	25.0	5.0
75 years and over.....	3	1	.....	(1)	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....
Other pursuits.....	28	11	1	39.3	3.6	17	11	.....	64.7	.....	31	18	3	58.1	9.7
15 to 19 years.....	.....	.....	.....	(1)	.....	2	2	.....	(1)	.....	1	1	.....	(1)	.....
20 to 24 years.....	3	2	.....	(1)	.....	5	5	.....	(1)	.....	2	2	.....	(1)	.....
25 to 29 years.....	5	4	.....	(1)	.....	1	1	.....	(1)	.....	6	4	1	(1)	(1)
30 to 34 years.....	4	2	1	(1)	(1)	2	2	.....	(1)	.....	7	6	1	(1)	(1)
35 to 39 years.....	2	.....	.....	(1)	.....	.....	.....	.....	(1)	.....	4	3	1	(1)	(1)
40 to 44 years.....	3	2	.....	(1)	.....	1	1	.....	(1)	.....	2	1	.....	(1)	.....
45 to 54 years.....	3	1	.....	(1)	.....	1	.....	.....	.....	.....	5	1	.....	(1)	.....
55 to 64 years.....	6	.....	.....	.....	.....	4	.....	.....	.....	.....	3	.....	.....	.....	.....
65 to 74 years.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
75 years and over.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....
Professional service.....	188	78	5	41.5	2.7	121	55	5	45.5	4.1	221	124	7	56.1	3.2
15 to 19 years.....	5	4	.....	(1)	.....	.....	.....	.....	(1)	.....	5	3	.....	(1)	.....
20 to 24 years.....	8	5	.....	(1)	.....	6	4	1	(1)	(1)	15	12	1	80.0	6.7
25 to 29 years.....	21	13	1	61.9	4.8	4	4	.....	(1)	.....	37	32	2	86.5	5.4
30 to 34 years.....	18	15	.....	83.3	.....	22	17	2	77.3	9.1	37	33	1	89.2	2.7
35 to 39 years.....	20	17	1	85.0	5.0	17	12	.....	70.6	.....	26	20	.....	76.9	.....
40 to 44 years.....	15	9	.....	60.0	.....	12	8	.....	66.7	8.3	16	6	.....	37.5	.....
45 to 54 years.....	21	6	1	28.6	4.8	14	5	1	35.7	7.1	26	15	1	57.7	3.8
55 to 64 years.....	29	3	2	10.3	6.9	13	2	.....	15.4	.....	23	1	1	4.3	4.3
65 to 74 years.....	32	2	.....	6.3	.....	14	1	.....	7.1	.....	26	2	1	7.7	3.8
75 years and over.....	19	4	.....	21.1	.....	19	2	.....	10.5	.....	10	.....	.....	.....	.....
Physicians and surgeons.....	56	24	2	42.9	3.6	25	12	.....	48.0	.....	40	20	1	50.0	2.5
15 to 19 years.....	1	1	.....	(1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20 to 24 years.....	1	1	.....	(1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 to 29 years.....	.....	.....	.....	(1)	.....	.....	.....	.....	.....	.....	4	3	.....	(1)	.....
30 to 34 years.....	3	3	.....	(1)	.....	4	4	.....	(1)	.....	6	4	1	(1)	(1)
35 to 39 years.....	8	7	.....	(1)	.....	3	3	.....	(1)	.....	10	10	.....	100.0	.....
40 to 44 years.....	6	4	.....	(1)	.....	4	3	.....	(1)	.....	4	.....	.....	.....	.....
45 to 54 years.....	10	3	.....	30.0	.....	2	.....	.....	(1)	.....	5	3	.....	(1)	.....
55 to 64 years.....	8	1	2	(1)	(1)	4	2	.....	(1)	.....	4	.....	.....	.....	.....
65 to 74 years.....	12	1	.....	8.3	.....	2	.....	.....	.....	.....	5	.....	.....	.....	.....
75 years and over.....	7	3	.....	(1)	.....	6	.....	.....	.....	.....	2	.....	.....	.....	.....
Other professional pursuits.....	132	54	3	40.9	2.3	96	43	5	44.8	5.2	181	104	6	57.5	3.3
15 to 19 years.....	4	3	.....	(1)	.....	.....	.....	.....	(1)	.....	5	3	.....	(1)	.....
20 to 24 years.....	7	4	.....	(1)	.....	6	4	1	(1)	(1)	15	12	1	80.0	6.7
25 to 29 years.....	21	13	1	61.9	4.8	4	4	.....	(1)	.....	33	29	2	87.9	6.1
30 to 34 years.....	15	12	.....	80.0	.....	18	13	2	72.2	11.1	31	29	.....	93.5	.....
35 to 39 years.....	12	10	1	83.3	8.3	14	9	.....	64.3	.....	16	10	.....	62.5	.....
40 to 44 years.....	9	5	.....	(1)	.....	8	5	1	(1)	(1)	12	6	.....	50.0	.....
45 to 54 years.....	11	3	1	27.3	9.1	12	5	1	41.7	8.3	21	12	1	57.1	4.8
55 to 64 years.....	21	2	.....	9.5	.....	9	.....	.....	.....	.....	19	1	1	5.3	5.3
65 to 74 years.....	20	1	.....	5.0	.....	12	1	.....	8.3	.....	21	2	1	9.5	4.8
75 years and over.....	12	1	.....	8.3	.....	13	2	.....	15.4	.....	8	.....	.....	.....	.....

1 Per cent not shown where deaths from all causes are less than 10.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—			Per cent.		Number of deaths from—			Per cent.		Number of deaths from—			Per cent.	
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Domestic and personal service.....	144	70	3	48.6	2.1	88	54	4	61.4	4.5	329	189	7	57.4	2.1
10 to 14 years.....	2	1		(1)					(1)		1	1		(1)	
15 to 19 years.....	4	3		(1)		4			(1)		7	6		(1)	
20 to 24 years.....	8	6		(1)		11	4		72.7		17	14		82.4	
25 to 29 years.....	18	15		83.3		9	9		(1)		41	32	1	78.0	2.4
30 to 34 years.....	20	13	2	65.0	10.0	12	9		75.0		50	35	3	76.0	6.0
35 to 39 years.....	22	14		63.6		12	9	1	75.0	8.3	52	35		67.3	
40 to 44 years.....	15	8		53.3		10	7	1	70.0	10.0	35	20	1	57.1	2.9
45 to 54 years.....	15	3		20.0		15	6		40.0		34	27	2	42.2	3.1
55 to 64 years.....	22	4	1	18.2	4.5	9	1	1	(1)	(1)	34	9		26.5	
65 to 74 years.....	10	2		20.0		4	1		(1)		26	7		26.9	
75 years and over.....	8	1		(1)		2		1	(1)		2				
Barbers and hairdressers.....	43	22	2	51.2	4.7	30	19	1	63.3	3.3	51	31	3	60.8	5.9
10 to 14 years.....	1	1		(1)							1	1		(1)	
15 to 19 years.....	2	2		(1)							3	3		(1)	
20 to 24 years.....	2	2		(1)		1			(1)		9	7		(1)	
25 to 29 years.....	4	3		(1)		4	4		(1)		7	6	1	(1)	(1)
30 to 34 years.....	11	7	2	63.6	18.2	9	7		(1)		7	6		(1)	
35 to 39 years.....	6	4		(1)		6	4	1	(1)	(1)	10	8		80.0	
40 to 44 years.....	4	2		(1)		1	1		(1)		5	1		(1)	(1)
45 to 54 years.....	7	1		(1)		5	2		(1)		7	3	1	(1)	(1)
55 to 64 years.....	4					3					7	2		(1)	
65 to 74 years.....	1					1					2				
75 years and over.....	1														
Bartenders.....	11	3		27.3		1		1	(1)		52	34		65.4	
20 to 24 years.....	1										10	8		80.0	
25 to 29 years.....	2	2		(1)							11	9		81.8	
30 to 34 years.....											11	5		45.5	
35 to 39 years.....	3	1		(1)							6	4		(1)	
40 to 44 years.....	2					1		1	(1)		10	5		50.0	
45 to 54 years.....	1										3	2		(1)	
55 to 64 years.....	2										1	1		(1)	
65 to 74 years.....															
Servants and waiters.....	21	11	1	52.4	4.8	17	12		70.6		87	51	3	58.6	3.4
15 to 19 years.....						3	3		(1)		2	2		(1)	
20 to 24 years.....	1	1		(1)		5	4		(1)		9	8		(1)	
25 to 29 years.....	3	2		(1)		2	2		(1)		14	11		78.6	
30 to 34 years.....	4	2		(1)							14	10	2	71.4	14.3
35 to 39 years.....	1	1		(1)		2	1		(1)		12	7		58.3	
40 to 44 years.....	3	3		(1)		1			(1)		10	7		70.0	
45 to 54 years.....	4	2		(1)		2	1		(1)		13	5	1	38.5	7.7
55 to 64 years.....	3		1	(1)							7	1		(1)	
65 to 74 years.....	2					1	1		(1)		5				
75 years and over.....						1					1				
Other pursuits.....	69	34		49.3		40	23	2	57.5	5.0	139	73	1	52.5	0.7
10 to 14 years.....	1										1	1		(1)	
15 to 19 years.....	2	1		(1)		1	1		(1)		4	3		(1)	
20 to 24 years.....	4	3		(1)		5	3		(1)		5	3		(1)	
25 to 29 years.....	9	8		(1)		3	3		(1)		8	6		(1)	
30 to 34 years.....	5	4		(1)		3	2		(1)		18	13	1	72.2	5.6
35 to 39 years.....	12	8		66.7		4	4		(1)		19	15		78.9	
40 to 44 years.....	6	3		(1)		7	6		(1)		14	8		57.1	
45 to 54 years.....	3					8	3		(1)		34	14		41.2	
55 to 64 years.....	13	4		30.8		6	1	1	(1)	(1)	17	4		23.5	
65 to 74 years.....	7	2		(1)		2					18	6		33.3	
75 years and over.....	7	1		(1)		1		1	(1)		1				
Clerical occupations.....	188	91	10	48.4	5.3	120	73	4	60.8	3.3	508	330	25	65.0	4.9
10 to 14 years.....	1										3	1		(1)	
15 to 19 years.....	14	5	1	35.7	7.1	9	5		(1)		56	47	2	83.9	3.6
20 to 24 years.....	25	16	2	64.0	8.0	18	14	1	77.8	5.6	61	48	7	75.0	10.9
25 to 29 years.....	39	30	1	76.9	2.6	19	12	1	63.2	5.3	105	85	7	81.0	6.7
30 to 34 years.....	32	20	2	60.6	6.1	27	23	1	85.2	3.7	88	74	2	84.1	2.3
35 to 39 years.....	13	7		53.4		8	7		(1)		44	31	2	70.5	4.5
40 to 44 years.....	13	3	3	23.1	23.1	7	4		(1)		33	17	1	51.5	3.3
45 to 54 years.....	18	6		33.3		13	6	1	46.2	7.7	45	16	2	35.6	4.4
55 to 64 years.....	17					10	1		10.0		41	7	1	17.1	2.4
65 to 74 years.....	14	4	1	28.6	7.1	5					19	3	1	15.8	5.3
75 years and over.....	2					4	1		(1)		10	1		10.0	

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## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 5.—NUMBER AND PER CENT OF DEATHS OF MALES, BY AGE, ENGAGED IN SPECIFIED OCCUPATIONS, FROM ALL CAUSES AND FROM INFLUENZA AND PNEUMONIA (ALL FORMS) AS PRIMARY AND CONTRIBUTORY CAUSES, IN INDIANA, KANSAS, AND PHILADELPHIA, FOR THE PERIOD SEPT. 1 TO DEC. 31, 1918—Continued.

[This table excludes the deaths of soldiers, sailors, and marines.]

OCCUPATION AND AGE PERIOD.	INDIANA.					KANSAS.					PHILADELPHIA.				
	Number of deaths from—			Per cent.		Number of deaths from—			Per cent.		Number of deaths from—			Per cent.	
	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	All causes.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.	Influenza and pneumonia (all forms), primary cause.	Influenza and pneumonia (all forms), contributory cause.
Clerical occupations—Continued.															
Bookkeepers, cashiers, and accountants.	43	19	2	44.2	4.7	22	13	2	59.1	9.1	66	39	6	59.1	9.1
15 to 19 years.	2	1	1	(1)	(1)	1	3	1	(1)	(1)	5	3	1	(1)	(1)
20 to 24 years.	9	7	1	(1)	(1)	3	7	1	(1)	(1)	5	3	1	(1)	(1)
25 to 29 years.	11	6	1	54.5	(1)	5	3	1	(1)	(1)	14	11	2	78.6	14.3
30 to 34 years.	3	2	1	(1)	(1)	7	7	1	(1)	(1)	10	8	1	80.0	10.0
35 to 39 years.	5	1	1	(1)	(1)	1	1	1	(1)	(1)	10	9	1	90.0	(1)
40 to 44 years.	4	1	1	(1)	(1)	1	1	1	(1)	(1)	6	2	1	(1)	(1)
45 to 54 years.	4	1	1	(1)	(1)	2	1	1	(1)	(1)	4	2	1	(1)	(1)
55 to 64 years.	5	1	1	(1)	(1)	1	1	1	(1)	(1)	6	1	1	(1)	(1)
65 to 74 years.	5	1	1	(1)	(1)	1	1	1	(1)	(1)	5	1	1	(1)	(1)
75 years and over.	5	1	1	(1)	(1)	1	1	1	(1)	(1)	1	1	1	(1)	(1)
Clerks (except clerks in stores).	119	57	8	47.9	6.7	95	52	2	61.2	2.4	401	272	18	67.8	4.5
10 to 14 years.	1	1	1	(1)	(1)	7	4	1	(1)	(1)	2	1	1	(1)	(1)
15 to 19 years.	14	5	1	35.7	7.1	7	4	1	(1)	(1)	45	40	7	88.9	(1)
20 to 24 years.	17	10	1	58.8	5.9	15	14	1	93.3	(1)	57	43	7	75.4	12.3
25 to 29 years.	26	19	1	73.1	3.8	14	9	1	64.3	(1)	87	70	5	80.5	5.7
30 to 34 years.	17	10	2	58.8	11.8	16	13	1	81.3	6.3	70	61	1	87.1	1.4
35 to 39 years.	8	5	1	(1)	(1)	6	5	1	(1)	(1)	33	21	2	63.6	6.1
40 to 44 years.	7	2	2	(1)	(1)	6	3	1	(1)	(1)	26	15	2	57.7	(1)
45 to 54 years.	12	4	2	33.3	(1)	9	2	1	(1)	(1)	34	11	2	32.4	5.9
55 to 64 years.	9	2	1	(1)	(1)	5	1	1	(1)	(1)	30	7	1	23.3	(1)
65 to 74 years.	6	2	1	(1)	(1)	3	1	1	(1)	(1)	13	2	1	15.4	7.7
75 years and over.	2	1	1	(1)	(1)	4	1	1	(1)	(1)	4	1	1	(1)	(1)
Other clerical occupations.	26	15	1	57.7	(1)	13	8	1	61.5	(1)	41	19	1	46.3	2.4
10 to 14 years.	1	1	1	(1)	(1)	1	1	1	(1)	(1)	1	1	1	(1)	(1)
15 to 19 years.	6	5	1	(1)	(1)	1	1	1	(1)	(1)	6	4	1	(1)	(1)
20 to 24 years.	4	4	1	(1)	(1)	1	1	1	(1)	(1)	2	2	1	(1)	(1)
25 to 29 years.	4	4	1	(1)	(1)	1	1	1	(1)	(1)	4	4	1	(1)	(1)
30 to 34 years.	5	4	1	(1)	(1)	4	3	1	(1)	(1)	8	5	1	(1)	(1)
35 to 39 years.	1	1	1	(1)	(1)	1	1	1	(1)	(1)	1	1	1	(1)	(1)
40 to 44 years.	1	1	1	(1)	(1)	3	3	1	(1)	(1)	1	1	1	(1)	(1)
45 to 54 years.	2	1	1	(1)	(1)	3	3	1	(1)	(1)	7	3	1	(1)	(1)
55 to 64 years.	4	1	1	(1)	(1)	3	3	1	(1)	(1)	5	3	1	(1)	(1)
65 to 74 years.	3	1	1	(1)	(1)	1	1	1	(1)	(1)	1	1	1	(1)	(1)
75 years and over.	3	1	1	(1)	(1)	1	1	1	(1)	(1)	5	1	1	(1)	(1)

1 Per cent not shown where deaths from all causes are less than 10.

## MORTALITY FROM INFLUENZA AND PNEUMONIA.

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TABLE 6.—NUMBER OF STILLBIRTHS, BY MONTH, WITH COLOR AND AGE OF MOTHER, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, IN INDIANA, KANSAS, AND PHILADELPHIA: 1918.

AREA, AND AGE AND COUNTRY OF BIRTH OF MOTHER.	Total stillbirths.	STILLBIRTHS OCCURRING IN—											
		Janu-ary.	Febru-ary.	March.	April.	May.	June.	July.	August.	Septem-ber.	Octo-ber.	Novem-ber.	Decem-ber.
INDIANA.													
All mothers.....	2,087	168	145	204	173	191	159	174	167	154	195	136	221
Under 15 years.....	1								1				
15 to 19 years.....	214	11	9	22	13	20	21	26	14	22	21	17	18
20 to 24 years.....	569	48	37	58	50	49	51	40	45	40	49	33	69
25 to 29 years.....	506	42	34	42	47	49	37	37	50	35	51	28	54
30 to 34 years.....	378	36	35	33	34	25	25	37	25	32	35	27	34
35 to 39 years.....	272	21	22	26	25	31	15	20	19	16	21	23	33
40 to 44 years.....	112	8	6	20	3	13	9	10	10	6	13	5	9
45 years and over.....	19		2		1	4	1	3	1	2	1	2	2
Unknown age.....	16	2		3				1	2	1	4	1	2
White mothers.....	2,008	159	138	194	169	186	155	166	158	147	191	134	211
15 to 19 years.....	202	10	9	19	12	20	19	25	14	20	20	17	17
20 to 24 years.....	547	47	35	56	50	46	50	36	42	38	48	33	66
25 to 29 years.....	491	39	33	42	45	48	36	34	47	35	51	28	53
30 to 34 years.....	367	35	33	31	34	25	25	37	24	31	34	26	32
35 to 39 years.....	264	19	21	25	24	31	15	20	19	15	21	23	31
40 to 44 years.....	107	8	5	19	3	13	9	10	10	5	12	5	8
45 years and over.....	17		2		1	3	1	3	1	2	1	1	2
Unknown age.....	13	1		2		3	1	1	1	1	4	1	2
Mothers born in the United States.....	1,843	146	124	169	157	175	148	155	147	136	177	115	194
15 to 19 years.....	196	10	9	18	11	19	19	25	14	20	20	15	16
20 to 24 years.....	522	45	34	53	48	44	49	33	40	36	45	31	64
25 to 29 years.....	442	34	28	34	42	44	35	33	41	32	48	23	48
30 to 34 years.....	332	32	28	28	32	25	23	34	22	28	31	21	28
35 to 39 years.....	231	17	18	21	20	28	13	18	18	13	18	21	26
40 to 44 years.....	95	7	5	13	3	12	8	10	10	5	11	3	8
45 years and over.....	16		2		1	3	1	2	1	2	1	1	2
Unknown age.....	9	1		2				1	1		3		2
Mothers born in foreign countries.....	157	13	14	24	12	11	7	10	10	10	12	17	17
15 to 19 years.....	5			1	1	1						1	1
20 to 24 years.....	24	2	1	3	2	2	1	3	2	2	2	2	2
25 to 29 years.....	49	5	5	8	3	4	1	1	6	3	3	5	5
30 to 34 years.....	34	3	5	3	2		2	3	1	3	3	5	4
35 to 39 years.....	32	2	3	3	4	3	2	2	1	2	3	2	5
40 to 44 years.....	12	1		6		1	1				1	2	
45 years and over.....	1							1					
Mothers born in Austria (includes Austrian Poland).....	59	3	5	5	9	7	3	2	9	4	4	5	3
15 to 19 years.....	3				1	1						1	
20 to 24 years.....	10	2	1		1	2	1		1	1			1
25 to 29 years.....	22	1	1	4	2	3			6		2	2	1
30 to 34 years.....	11		2	1	2			1	1	2	1	2	
35 to 39 years.....	12		1	1	3	1	2	1	1	1			1
40 to 44 years.....	1										1		
Mothers born in Hungary.....	17		1	2	1	2	1	1		2	1	2	4
15 to 19 years.....	1											1	
20 to 24 years.....	6			1	1	1						1	
25 to 29 years.....	7		1	1			1			1	1		2
30 to 34 years.....	2					1							1
45 years and over.....	1							1					
Mothers born in England, Scotland, and Wales.....	15	3	1	5				2		1	1	2	
15 to 19 years.....	1			1									
20 to 24 years.....	2							1				1	
25 to 29 years.....	3	1		1						1			
30 to 34 years.....	2	1										1	
35 to 39 years.....	5	1	1	1				1			1		
40 to 44 years.....	2			2									
Mothers born in Ireland.....	3	1		1			1						
15 to 19 years.....	1			1									
20 to 24 years.....	1						1						
30 to 34 years.....	1						1						
35 to 39 years.....	1	1											
Mothers born in Germany (includes German Poland).....	10		1	6			1			1			1
15 to 19 years.....	1			1									
20 to 24 years.....	3		1	1			1						
25 to 29 years.....	2			1									1
30 to 34 years.....	2			1									
35 to 39 years.....	2			1					1				
40 to 44 years.....	2			2									
Mothers born in Italy.....	8	1	1	1		1					1	2	1
15 to 19 years.....	1			1									
20 to 24 years.....	1		1										
25 to 29 years.....	1												
30 to 34 years.....	1	1										1	1
35 to 39 years.....	4					1					1		1
40 to 44 years.....	1											1	



TABLE 6.—NUMBER OF STILLBIRTHS, BY MONTH, WITH COLOR AND AGE OF MOTHER, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, IN INDIANA, KANSAS, AND PHILADELPHIA: 1918—Continued.

AREA, AND AGE AND COUNTRY OF BIRTH OF MOTHER.	Total stillbirths.	STILLBIRTHS OCCURRING IN—											
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
INDIANA—continued.													
White mothers—Continued.													
Mothers born in foreign countries—Continued.													
Mothers born in Poland (not specified).....	24	1	3	3	2	1		2		2	2	4	4
15 to 19 years.....	5			1	1			1		1			1
20 to 24 years.....	6									1	1	2	1
25 to 29 years.....	5		1					1			1	1	1
30 to 34 years.....	4		1		1							1	
35 to 39 years.....	4	1		2		1							
40 to 44 years.....	4												
Mothers born in Russia (includes Russian Poland)	12	3	1	1				1	1		2	1	2
15 to 19 years.....	1												1
20 to 24 years.....	3							1	1		1		
25 to 29 years.....	3	2											1
30 to 34 years.....	3	1	1	1									
35 to 39 years.....	1										1		
40 to 44 years.....	1											1	
Mothers born in other foreign countries.....	9	1	1				1	2			1	1	2
15 to 19 years.....	1												
20 to 24 years.....	4	1	1					1			1		1
25 to 29 years.....	4												
30 to 34 years.....	2							1				1	
35 to 39 years.....	1												1
40 to 44 years.....	1						1						
Mothers born in country not stated.....	8			1				1	1	1	2	2	
15 to 19 years.....	1											1	
20 to 24 years.....	1										1		
30 to 34 years.....	1								1				1
35 to 39 years.....	1			1									
Unknown age.....	4							1		1	1	1	
Colored mothers.....	79	9	7	10	4	5	4	8	9	7	4	2	10
Under 15 years.....	1								1				
15 to 19 years.....	12	1		3	1		2	1		2	1		1
20 to 24 years.....	22	1	2	2		3	1	4	3	2	1		3
25 to 29 years.....	15	3	1		2	1	1	3	3				1
30 to 34 years.....	11	1	2	2					1	1	1	1	2
35 to 39 years.....	8	2	1	1	1				1	1			2
40 to 44 years.....	5		1	1						1	1		1
45 years and over.....	2					1						1	
Unknown age.....	3	1		1					1				
Negro mothers.....	78	9	7	9	4	5	4	8	9	7	4	2	10
Under 15 years.....	1								1				
15 to 19 years.....	11	1		2	1		2	1		2	1		1
20 to 24 years.....	22	1	2	2		3	1	4	3	2	1		3
25 to 29 years.....	15	3	1		2	1	1	3	3				1
30 to 34 years.....	11	1	2	2					1	1	1	1	2
35 to 39 years.....	8	2	1	1	1				1	1			2
40 to 44 years.....	5		1	1						1	1		1
45 years and over.....	2					1						1	
Unknown age.....	3	1		1					1				
Mothers born in Japan—15 to 19 years.....	1			1									
KANSAS.													
All mothers.....	1,380	100	126	120	104	110	103	91	106	127	140	125	128
15 to 19 years.....	128	9	19	12	7	6	9	7	3	12	15	13	16
20 to 24 years.....	355	29	30	27	26	35	23	27	32	25	33	30	38
25 to 29 years.....	312	20	30	27	19	26	33	18	22	31	32	24	30
30 to 34 years.....	212	15	17	23	14	15	19	14	13	20	25	21	16
35 to 39 years.....	176	8	9	11	22	13	12	14	21	22	15	12	17
40 to 44 years.....	102	13	14	8	10	10	4	6	8	8	10	8	3
45 years and over.....	5		1			1				2	1		
Unknown age.....	90	6	6	12	6	4	3	5	7	7	9	17	8
White mothers.....	1,312	97	113	116	100	103	99	87	102	121	134	118	122
15 to 19 years.....	118	8	15	12	7	5	8	7	3	12	15	11	15
20 to 24 years.....	339	28	28	26	26	30	23	27	31	25	31	28	36
25 to 29 years.....	300	20	30	26	19	26	31	16	21	29	31	23	28
30 to 34 years.....	201	14	15	21	13	15	18	14	13	19	24	20	15
35 to 39 years.....	167	8	8	11	20	12	12	13	20	21	14	11	17
40 to 44 years.....	99	13	11	8	10	10	4	6	8	8	10	8	3
45 years and over.....	5		1			1				2	1		
Unknown age.....	83	6	5	12	5	4	3	4	6	5	8	17	8
Mothers born in the United States.....	1,156	91	105	97	89	93	81	80	91	97	121	97	114
15 to 19 years.....	105	8	14	10	6	4	6	7	3	9	14	9	15
20 to 24 years.....	322	28	27	24	25	27	23	25	30	22	30	28	33
25 to 29 years.....	273	20	29	25	17	25	23	15	20	24	27	20	28
30 to 34 years.....	181	14	14	17	12	15	16	12	12	17	22	16	14
35 to 39 years.....	142	7	7	9	17	10	10	12	17	14	13	10	16
40 to 44 years.....	82	10	8	6	10	8	2	6	7	7	9	7	2
45 years and over.....	4		1			1				1	1		
Unknown age.....	47	4	5	6	2	3	1	3	2	3	5	7	6

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TABLE 6.—NUMBER OF STILLBIRTHS, BY MONTH, WITH COLOR AND AGE OF MOTHER, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, IN INDIANA, KANSAS, AND PHILADELPHIA: 1918—Continued.

AREA, AND AGE AND COUNTRY OF BIRTH OF MOTHER.	Total still- births.	STILLBIRTHS OCCURRING IN—											
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.
KANSAS—continued.													
White mothers—Continued.													
Mothers born in foreign countries.....	113	4	7	12	7	8	14	7	9	20	8	10	7
15 to 19 years.....	10		1	1		1	2			3		2	
20 to 24 years.....	14		1	2		2		2	1	3			3
25 to 29 years.....	23		1	1	2	1	6	1	1	5	4	1	
30 to 34 years.....	16			2	1		2	2	1	2	2	3	
35 to 39 years.....	23	1	1	2	3	2	2	1	3	5	1	1	
40 to 44 years.....	17	3	3	2		2	2		1	1	1	1	
45 years and over.....	1									1			
Unknown age.....	9			2	1			1	2			2	1
Mothers born in Austria (includes Austrian Poland).....	19		3	3	1		2	2	1	4	1	1	1
15 to 19 years.....	4		1	1						2			
20 to 24 years.....	2							1					1
25 to 29 years.....	7		1		1		1	1	1	2			
30 to 34 years.....	2										1	1	
35 to 39 years.....	1			1									
40 to 44 years.....	2		1				1						
Unknown age.....	1			1									
Mothers born in Canada—35 to 39 years.....	1		1										
Mothers born in Denmark, Norway, and Sweden.	8	1		1		1			3	2			
20 to 24 years.....	1					1							
35 to 39 years.....	5			1					3	1			
40 to 44 years.....	2	1								1			
Mothers born in England, Scotland, and Wales—30 to 34 years.....	1			1									
Mothers born in Germany (includes German Poland).....	12			2	1	1	2	2		1	1	2	
25 to 29 years.....	1			1									
30 to 34 years.....	4						1	1				2	
35 to 39 years.....	4				1	1		1		1			
40 to 44 years.....	3			1			1				1		
Mothers born in Italy.....	11		1	2		1		2	1	2		1	1
30 to 34 years.....	2							1		1			
35 to 39 years.....	1									1			
40 to 44 years.....	3		1	1		1							
Unknown age.....	5			1				1	1			1	1
Mothers born in Russia (includes Russian Poland).	24	2	1	2	2	1	3			5	5	1	
20 to 24 years.....	2			1						1			
25 to 29 years.....	5					1				1	3		
30 to 34 years.....	4			1			1	1		1	1		
35 to 39 years.....	8	1			2		2			1	1		1
40 to 44 years.....	4	1	1									1	1
45 years and over.....	1									1			
Mothers born in other foreign countries.	37	1	1	1	3	4	7	1	4	6	1	5	3
15 to 19 years.....	6					1	2			1		2	
20 to 24 years.....	9		1	1		1		1	1	2			2
25 to 29 years.....	10				1		5			2	1	1	
30 to 34 years.....	3				1				1				1
35 to 39 years.....	3					1				1		1	
40 to 44 years.....	3	1				1			1				
Unknown age.....	3				1				1			1	
Mothers born in country not stated.....	43	2	1	7	4	2	4		2	4	5	11	1
15 to 19 years.....	3			1	1						1		
20 to 24 years.....	3				1	1					1		
25 to 29 years.....	4						2					2	
30 to 34 years.....	4		1	2								1	
35 to 39 years.....	2									2			
Unknown age.....	27	2		4	2	1	2		2	2	3	8	1
Colored mothers.....	68	3	13	4	4	7	4	4	4	6	6	7	6
15 to 19 years.....	10	1	4			1	1					2	1
20 to 24 years.....	16	1	2	1		5			1		2	2	2
25 to 29 years.....	12			1			2	2	1	2	1	1	2
30 to 34 years.....	11	1	2	2	1		1		1	1	1	1	1
35 to 39 years.....	9		1		2	1		1	1	1	1		
40 to 44 years.....	3		3										
Unknown age.....	7		1		1			1	1	2	1		
Negro mothers.....	66	2	13	4	4	7	4	4	3	6	6	7	6
15 to 19 years.....	10	1	4			1	1					2	1
20 to 24 years.....	15		2	1		5			1		2	2	2
25 to 29 years.....	11						2	2		2	1	1	2
30 to 34 years.....	11	1	2	2	1		1			1	1	1	1
35 to 39 years.....	9		1		2	1		1	1	1	1		
40 to 44 years.....	3		3										
Unknown age.....	7		1		1			1	1	2	1		
Indian mothers—20 to 29 years.....	1								1				
Other colored mothers—21 to 24 years.....	1	1											



## MORTALITY FROM INFLUENZA AND PNEUMONIA.

TABLE 6.—NUMBER OF STILLBIRTHS, BY MONTH, WITH COLOR AND AGE OF MOTHER, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, IN INDIANA, KANSAS, AND PHILADELPHIA: 1918—Continued.

AREA, AND AGE AND COUNTRY OF BIRTH OF MOTHER.	Total still- births.	STILLBIRTHS OCCURRING IN—											
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.
PHILADELPHIA, PA.													
All mothers.....	1,704	140	113	147	128	121	132	133	127	156	266	131	110
Under 15 years.....	1										1		
15 to 19 years.....	129	14	7	14	5	15	7	11	10	9	18	10	6
20 to 21 years.....	429	28	25	39	28	39	38	29	29	35	79	29	34
25 to 29 years.....	458	32	36	31	39	24	40	40	30	46	76	34	30
30 to 34 years.....	326	36	24	26	28	19	23	24	26	34	46	24	16
35 to 39 years.....	253	19	15	22	21	18	19	21	20	19	34	24	21
40 to 44 years.....	87	9	6	11	6	4	3	4	10	10	9	9	6
45 years and over.....	17	2		2	1	1	2	1	2	2	3	1	
Unknown age.....	4			2		1				1			
White mothers.....	1,456	118	98	122	117	96	108	111	107	135	242	111	91
15 to 19 years.....	91	11	5	11	3	11	5	7	6	8	15	6	3
20 to 21 years.....	343	20	22	28	25	27	31	25	24	26	72	21	22
25 to 29 years.....	406	26	30	26	37	21	34	36	25	45	68	32	26
30 to 34 years.....	283	34	22	23	27	15	17	19	23	26	42	21	14
35 to 39 years.....	232	17	13	20	18	16	16	19	19	18	34	22	20
40 to 44 years.....	81	8	6	10	6	4	3	4	8	10	8	8	6
45 years and over.....	17	2		2	1	1	2	1	2	2	3	1	
Unknown age.....	3			2		1							
Mothers born in the United States.....	877	71	58	76	68	63	70	54	58	81	157	66	55
15 to 19 years.....	76	10	5	8	3	9	5	4	3	7	14	5	3
20 to 21 years.....	237	10	14	20	16	20	22	12	19	20	51	16	17
25 to 29 years.....	242	21	15	15	20	16	25	19	16	20	41	20	14
30 to 34 years.....	167	15	16	14	17	11	10	8	9	20	26	11	10
35 to 39 years.....	106	9	7	11	7	5	6	8	7	9	18	11	8
40 to 44 years.....	42	6	1	6	5	2	1	3	3	5	4	3	3
45 years and over.....	7			2			1		1		3		
Mothers born in foreign countries.....	573	46	40	46	49	33	38	56	49	52	83	45	36
15 to 19 years.....	15	1		3		2		3	3	1	1	1	
20 to 24 years.....	104	9	8	8	9	7	9	13	5	5	21	5	5
25 to 29 years.....	162	5	15	11	17	5	9	16	9	24	27	12	12
30 to 34 years.....	115	19	6	9	10	4	7	11	14	6	15	10	4
35 to 39 years.....	125	8	6	9	11	11	10	11	12	9	15	11	12
40 to 44 years.....	39	2	5	4	1	2	2	1	5	5	4	5	3
45 years and over.....	10	2			1		1	1	1	2		1	
Unknown age.....	3			2		1							
Mothers born in Austria (includes Austrian Po- land).....	59	2	4	6	5	4		11	1	8	6	6	6
15 to 19 years.....	1			1									
20 to 21 years.....	16		1	1	3	2		3		3	2	1	
25 to 29 years.....	18	1		1	1			3		3	3	2	4
30 to 34 years.....	7			2	1			2			1	1	
35 to 39 years.....	13	1	2			1		3	1	2		1	2
40 to 44 years.....	4		1	1		1						1	
Mothers born in Hungary.....	32	1	1	2	4	1	3	3	2	5	6	3	1
15 to 19 years.....	2									1			
25 to 29 years.....	12			2	1		1	1		3	3	1	
30 to 34 years.....	6	1			1					1	2	1	
35 to 39 years.....	6		1		1		2	1			1	1	
40 to 44 years.....	3								1				1
45 years and over.....	3				1			1	1				
Mothers born in Canada.....	7	1	1				2		1		2		
20 to 21 years.....	3		1				1				1		
30 to 34 years.....	2	1					1						
35 to 39 years.....	2								1		1		
Mothers born in Denmark, Norway, and Sweden.....	5		1		1					1	2		
20 to 24 years.....	1										1		
25 to 29 years.....	1									1			
30 to 34 years.....	1										1		
35 to 39 years.....	2		1		1								
Mothers born in England, Scotland, and Wales.....	26	2	2	2	2	1	2	5	3	1	3	2	1
20 to 24 years.....	1		1										
25 to 29 years.....	3		1					1			1		
30 to 34 years.....	8	1		1	1	1		3	1				1
35 to 39 years.....	7			1	1		2		1			2	
40 to 44 years.....	6	1						1	1	1	2		
45 years and over.....	1					1							

TABLE 6.—NUMBER OF STILLBIRTHS, BY MONTH, WITH COLOR AND AGE OF MOTHER, AND FOR WHITES, BY COUNTRY OF BIRTH OF MOTHER, IN INDIANA, KANSAS, AND PHILADELPHIA: 1918—Continued.

AREA, AND AGE AND COUNTRY OF BIRTH OF MOTHER.	Total still- births.	STILLBIRTHS OCCURRING IN—											
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.
PHILADELPHIA, PA.—continued.													
White mothers—Continued.													
Mothers born in foreign countries—Continued.													
Mothers born in Ireland.....	66	8	8	4	6	3	3	3	8	9	9	1	4
15 to 19 years.....	1			1									
20 to 24 years.....	8	3	2	1		1		1					
25 to 29 years.....	21		4	1	3		1		4	5	2		1
30 to 34 years.....	18	2	2		2	1		1	3	1	5		1
35 to 39 years.....	14	2		1	1	1		1	1	3	2	1	1
40 to 44 years.....	2						1						1
45 years and over.....	2	1					1						
Unknown age.....													
Mothers born in Germany (includes German Po- land.....	24	2	2	4	2	1		2	1	2	4	3	1
15 to 19 years.....	2	1									1		
20 to 24 years.....	7			1				2		1	1		1
25 to 29 years.....	4		1	1	1						1	1	
30 to 34 years.....	8		1	1	1	1				1	2	1	
35 to 39 years.....	3	1		1				1					
Mothers born in Italy.....	162	22	10	12	7	9	11	15	17	13	27	5	14
15 to 19 years.....	5			1		1		1	1		1		
20 to 24 years.....	30	4	3	1	1	2	3	3	2		8		3
25 to 29 years.....	34	3	3	3	1		1	3	4	7	7	1	1
30 to 34 years.....	38	10	3	2	3	1	3	3	5	2	3	1	2
35 to 39 years.....	39	4		4	1	4	3	5	3		6	1	8
40 to 44 years.....	13		1	1	1	1	1		2	3	2	1	
45 years and over.....	3	1							2	1		1	
Mothers born in Poland (not specified).....	32	2	4	1	3	4	1	5	2	2	4	3	1
15 to 19 years.....	5	1			2	1		1					
20 to 24 years.....	15		4	1	1	1	1	2		1	4		
25 to 29 years.....	8	1						2	2	1		2	
30 to 34 years.....	2					1						1	
35 to 39 years.....	1												1
40 to 44 years.....	1					1							
Unknown age.....	1												
Mothers born in Russia (includes Russian Poland).....	134	4	5	11	14	10	15	10	12	10	18	20	5
15 to 19 years.....	5							2	2			1	
20 to 24 years.....	36			5	3	1	5	4	2		8	4	2
25 to 29 years.....	39	1	3	1	6	4	5	3	1	2	5	6	2
30 to 34 years.....	20	2		2	1	2	2		3	1	3	4	
35 to 39 years.....	29	1	2	2	4	3	3	1	4	3	2	3	1
40 to 44 years.....	3									1		2	
45 years and over.....	1								1				
Unknown age.....	1			1					1				
Mothers born in other foreign countries.....	26	2	2	4	5		1	2	2	1	2	2	3
15 to 19 years.....	1	1											
20 to 24 years.....	2							1	1				
25 to 29 years.....	12			1	4			1		1	1	1	3
30 to 34 years.....	3	1		1			1						
35 to 39 years.....	3				1				1		1		
40 to 44 years.....	4		2	1								1	
Unknown age.....	1			1									
Mothers born in country not stated.....	6	1						1		2	2		
20 to 24 years.....	2	1								1			
25 to 29 years.....	2							1		1			
30 to 34 years.....	1										1		
35 to 39 years.....	1										1		
Colored <sup>1</sup> mothers.....	248	22	15	25	11	25	24	22	20	21	24	20	19
Under 15 years.....	1										1		
15 to 19 years.....	38	3	2	3	2	4	2	7	4	1	3	4	3
20 to 24 years.....	86	8	3	11	3	12	7	4	5	9	7	8	9
25 to 29 years.....	52	6	6	5	2	3	6	4	5	1	8	2	4
30 to 34 years.....	43	2	2	3	1	4	6	5	3	8	4	3	2
35 to 39 years.....	21	2	2	2	3	2	3	2	1	1		2	1
40 to 44 years.....	6	1		1					2		1	1	
Unknown age.....	1									1			

<sup>1</sup> The colored mothers are all Negroes.





# LIST OF PUBLICATIONS OF THE PERMANENT CENSUS BUREAU—Continued.

(Continued from page 2 of cover.)

## BULLETINS—CONTINUED.

### MANUFACTURES, CENSUS OF 1905.

(The bulletins presenting the 1909 census of manufactures will be found listed on page 4 of the cover.)

#### SPECIAL INDUSTRIES.

The statistics presented in these bulletins are reproduced in Parts III and IV of the Report on Manufactures: 1905.

#### STATES AND TERRITORIES.

(The statistics presented in these bulletins are reproduced in Part II of the Report on Manufactures: 1905.)

\*United States..... 57  
Separate bulletins for each state were printed, and copies are still available for distribution.

### MANUFACTURES, CENSUS OF 1914.

Abstract of census of manufactures, 1914. Octavo, 722 p. (This volume is not for free distribution, but can be procured from the Superintendent of Documents, Washington, D. C., at 65 cents a copy.)

#### SPECIAL INDUSTRIES.

This series of pamphlets presents for industries the statistics compiled by the Bureau of the Census from the returns of the census of manufactures for 1914. A list showing the industries for which statistics are published can be had by addressing the Director of the Census.

### STATES.

This series of pamphlets presents the general statistics for the various states gathered at the census of manufactures for 1914, with comparative figures for previous censuses. The statistics are presented in three sections: General statistics, showing for the principal industries the number of persons engaged, prevailing hours of labor, location of establishments, character of ownership, etc.; special statistics, giving detailed data for the principal industries of the states; and general tables, in which are given a comparative summary of all industries combined and specified industries for the state and for cities of 10,000 inhabitants or more for the census years 1904, 1909, and 1914.

## WEALTH, DEBT, AND TAXATION.

The various sections of the report on Wealth, Debt, and Taxation have been issued in bulletin form, there being nine bulletins in the series. The titles of the bulletins are as follows:

Taxation and revenue systems of state and local governments (a digest of constitutional and statutory provisions relating to taxation in the different states in 1912).  
Assessed valuation of property and amounts and rates of levy: 1860-1912.  
Estimated valuation of national wealth: 1850-1912.

National and state indebtedness and funds and investments: 1870-1913.  
County and municipal indebtedness: 1913, 1902, and 1890; and sinking fund assets, 1913.  
National and state revenues and expenditures: 1913 and 1903; and public properties by states: 1913.

County revenues, expenditures, and public properties: 1913.  
\*Municipal revenues, expenditures, and public properties: 1913.  
Abstracts of special bulletins—Wealth, Debt, and Taxation: 1913.

## MISCELLANEOUS PUBLICATIONS.

### FOREST PRODUCTS.

(These publications, of octavo size, issued yearly, were compiled in cooperation with the Forest Service, Department of Agriculture. The only publication of this series issued for 1912 was Lumber, lath, and shingles. The compiling of these statistics has been discontinued by the Bureau of the Census, but will be continued by the Forest Service in less comprehensive form.)  
Pulp-wood consumption: \*1907, 1908, \*1909, \*1910, and 1911.  
Lumber, lath, and shingles: \*1907, \*1908, \*1909, \*1910, \*1911, and 1912.  
Slack cooperage stock: 1907, \*1908, 1909, \*1910, and 1911.  
Tanbark and tanning extracts: 1907, 1908, and 1909. (This pamphlet was not issued in 1910 and 1911.)  
Excelsior: 1911.  
Veneers: 1907, 1908, 1909, \*1910, and 1911.  
Tight cooperage stock: \*1907, \*1908, 1909, \*1910, and 1911.  
Wood distillation: 1907, \*1908, 1909, 1910, and 1911.  
Crossies purchased: 1907, 1908, 1909, 1910, and 1911.  
Poles purchased: 1907, 1908, 1909, \*1910, and 1911.  
Forest products of the United States: \*1907, 1908, and 1909. (This pamphlet not issued for 1910 and 1911.)

### HEADS OF FAMILIES—FIRST CENSUS OF THE UNITED STATES: 1790.

(These volumes, of quarto size, are paper bound and vary in size from 72 pages for Rhode Island to 426 pages for Pennsylvania, and are for sale only, at \$1 for each state. Remittance should accompany the request, addressed to the Director of the Census. A circular giving full information as to the character and contents of these volumes can be had on application to the Director of the Census.)

The first Census covered the present states of Connecticut, Delaware, Georgia, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, and Virginia. The returns for Delaware, Georgia, Kentucky, New Jersey, Tennessee, and Virginia were destroyed.

The following volumes have been issued: Connecticut, Maine, Maryland, Massachusetts, New Hampshire, New York, North Carolina, Pennsylvania, Rhode Island, South Carolina, Vermont, and Virginia. The volume for Virginia contains the state enumerations only from 1782 to 1785.

### PHILIPPINE ISLANDS, CENSUS OF 1903.

(On September 25, 1902, pursuant to act of Congress approved July 1, 1902, the President directed that the census of the Philippine Islands be taken by the Philippine Commission, and that the United States Census Bureau compile and tabulate the returns and print and distribute the completed reports. These reports were issued in English and Spanish; both editions are now exhausted.)

\*Volume I—Geography, history, and population.  
\*Volume II—Population.

\*Volume III—Mortality, defective classes, education, families, and dwellings.  
\*Volume IV—Agriculture, social and industrial statistics.

(Bulletins, compiled from the reports, English only.)

\*No. 1—Population of the Philippines.  
\*No. 2—Climate of the Philippines.  
No. 3—Volcanoes and seismic centers of the Philippine Archipelago.

### CUBA, CENSUS OF 1907.

(The Cuban census of 1907 was taken by order of the provisional government, and the material was compiled and published, under the direction of the director of the Cuban census, by the Bureau of the Census. The report was printed in Spanish. In order to meet the demand in the United States for information regarding Cuba, the provisional governor of the Republic authorized the director of the Cuban census of 1907 to prepare a compendium, printed in English. Both volumes are of octavo size.)  
\*Censo de la República de Cuba: 1907 (report).  
\*Cuba: Population, history, and resources: 1907 (compendium).

### VITAL STATISTICS.

Birth statistics for the registration area of the United States: 1915, 1916, and 1917.  
Cancer in the United States: 1914.  
\*Extension of registration area for births and deaths; a practical example of cooperative census methods as applied to the state of Pennsylvania: 1906.  
Federal registration service of the United States: Its development, problems, and defects: 1916.  
Index of joint causes of death: 1914.  
International classification of causes of sickness and death: 1910.  
Legal importance of registration of births and deaths: 1908.  
Legislative requirements for registration of vital statistics: 1903.  
\*Manual of international classification of causes of death (adopted by the Census Office for compilation of mortality statistics): 1902.  
Manual of international list of causes of death: 1918.  
\*Medical education in vital statistics: 1903.  
Modes of statement of cause of death and duration of illness upon certificates of death: 1907.  
Physicians' pocket reference to the international list of causes of death: 1918.  
Practical registration methods: 1903.  
\*Registration of births and deaths: 1903.  
\*Relation of physicians to mortality statistics: 1903.  
\*Statistical treatment of causes of death: 1903.  
Tuberculosis in the United States: 1908.  
United States life tables: 1910.  
Vital statistics of United States: 1900. (Bulletin 15.)

### MISCELLANEOUS.

American census taking: 1904.  
\*Census Office and coordination of statistics: 1909.

Collaboration in Federal and state statistical work: 1904.

Comparative financial statistics of cities under council and commission government: 1913 and 1915.  
Cooperation and unification in Federal and state statistical work: 1903.

Cotton ginning reports: Issued in card form (4 by 6 inches) at intervals during the cotton ginning season.  
Cotton production in the United States, crop of 1917.  
Federal population estimates and supervision of local censuses.  
History and growth of United States Census: 1790-1890.

\*Index to occupations, alphabetical and classified.  
Leaf tobacco: Reports on quantity held by dealers and manufacturers: April 1 and October 1 of each year since 1912.

List of publications: 1790 to 1916.  
\*Official register: 1917.  
\*Rank of several states in population, value of crops etc., census of 1900 and 1910.

Report of the Director of the Census to the Secretary of Commerce and Labor concerning the administration of the permanent bureau: 1903.

Reports of the Director of the Census to the Secretary of Commerce concerning the operations of the bureau for each fiscal year, \*1903-4, 1904-5 to 1917-18.  
Standard form for reporting the financial statistics of public schools: 1911.

Statistical atlas of the United States: 1914.  
Study of cartage costs in the city of Washington.  
\*Suggested standard forms for reports of the financial transactions and physical statistics of parks: 1911.

Summary of state laws relating to the dependent classes: 1913.

\*Table of illiteracy in foreign countries.  
Tentative program: 1916-1919.

The story of the Census: 1790-1916.  
Uniform accounts as a basis for standard forms for reporting financial and other statistics of health departments: 1912.

Uniform accounts for systems of water supply: 1911.  
Uniform municipal accounting: \*1904 and 1906.

Virgin Islands of the United States, Census of November 1, 1917.  
Work of Permanent Census Bureau: 1902-1913.

### SPECIAL POPULATION CENSUSES.

El Paso, Tex., Jan. 15, 1916; Hamtramck, Mich., June 25, 1915; Hastings, Nebr., Dec. 13, 1915; Highland Park, Mich., Nov. 15, 1915; St. Clair Heights, Mich., Nov. 13, 1915; Tulsa, Okla., Apr. 15, 1915; Shreveport, La., Feb. 15, 1917; Ottawa County, Okla., Aug. 15, 1918; Okmulgee County, Okla., Dec. 16, 1918; Tulsa County, Okla., Jan. 15, 1919.

### CENSUS OF WAR COMMODITIES.

Antimony and graphite crucibles.  
Iron and steel products.  
Leather statistics.  
Textile fibers: Wool, silk, jute, and kapok.

For list of Thirteenth Census publications, see following page.















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